Jefferson Medical Coll
Session 1861-62.
Philadelphia.

Δαβιδ B. Ουιλλσον.

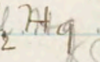
1861.

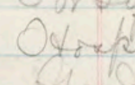
Bleeding: 1. relieves heart. 2. relieves pain. 3. diminishes fibrin.

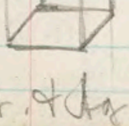
Saturday Oct 12th 1861. Clinic Jeff. — Drs. Meigs & Gross. Blowing soap bubbles is often good for exercise to lungs. — A case of hydraemia: give iron, the peroxide of iron after meals not if food has not been eaten. Carbonate of Iron (precipitated). For Syphilis KI + Cl_2Hg. — Hospital ticket, Bones from Dr. Gardner's,

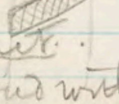
Roster.

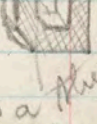
	1,	2,	3,	4,	5,	6,
Monday,						
Tuesday,	Di,	Gr,	Ba.	Pa.	Mi.	Duna.
Wed.			clinic.	clinic.	Me.	~~Di~~ Mi.
Thurs.-						
Fri.						
Sat.						











Breguet.
Pt. & Ag. soldered with Au a thermometer

L. Dt. 7 Dickson – Tuesday
Practice of Medicine, ~~Mitchell~~, Oct. 15th, 1861.

Discerning, distinguishing, preventing, curing disease.

Read preparatory matter for each evg. Repeat again.

Disease – Condition abnormal, injurious, passing, progressive. [illegible]. (2)(3) [illegible]. Type – average healthy condition, diagnosis, hygiene, scientific, etiology.

Gross Surgery, 631 (2 vols [illegible]), 5 1/2 .. Cin. Ohio. Surgery proper, operative, military;

9.30 – 11.30 A.m.

Inflammation – (Irritation Congestion not inflam.), perverted action of a part, with [illegible] and swelling heat pain disorder of functions tending to deposit or effusions. He was once [illegible] Ohio, Dem. of Anat. 5 1/2. 1st [illegible]

arachnoid II. tendon. erysipelatous
3 hrs. dissect. loss of function
more important & deposition.
external drainage. healthy & un-
healthy latent irritable, acute
chronic. As of Achilles. Subcu-
taneous. Hanover Surgeon (Stro-
meyer (?)). Bache. Chemistry.
Physics, phenomena of matter.
Influence of matter = Relation. In-
teraction. Masses and particles.

Phenomena depend on Reaction.	of the Particles.	3. Particles with Particles.	Chemistry	one kind many kinds ~~and~~ two of the	Impor[illegible] 64. [illegible] 65

Masses & Particles, Physics & Masses, Par-
ticles & particles. Lecture. Glass, Fire.
M & M. = M & P Natural Philosophy.
P & P, Chemistry. dead or inorganic.
Mathematically infinitely divisible,
Physically indivisible. (no joints
no seams. Essential & non-essential.
Extension, Impenetrability, Indestruc-
tibility. — Opacity Transparency,
Color, Relative 17. Porosity, Com-

pressibility, expansibility, Elasticity. Atom. attraction, Repulsion. Action generic. [illegible] Elements. Ponderable. Imponderable. Light, Heat, Electricity, & Magnetism. Imponderable alone show repulsion, Ponderable " show attraction. 2nd obey grav, 1st. do not.

Physics concerned with phenomena of matter	Matter,	Reaction.	
	Masses,	M + M,	Mech.
		M + P,	
	~~Particles~~	~~P + P,~~	Phil.

) to be joined to top of one on opposite page of this leaf. 1. At; 2. Rep, 3. Re, 4. Impon.

Pancoast, Anatomy.). Basilar,

206 bones in the human body. 1, physical. 2, Chemical. 3, mode of organisation & growth. Bones have hardness, elasticity. old persons don't bleach. Young are not perfectly white. Reddish natural

Cartilage, — .32.
Blood vessels, .01.
CaO, PO_5. 51.
CaO, CO_2. 11.
Fluate of Lime, 2.
Phos. Magnesia. 1.
Soda, Chloride of Sodium, 1.20.

Berzelius.

Sizes
color. ~~4.B.~~; 1. broad, 2. long, 3. thick 4. irregular. B coccygis, width across head same integral as width across middle. ~~[illegible]~~ Muriatic acid takes away earthy elements. Burning takes away animal m., old bone fragile, much CaO, CO_2. In old people fall consequent upon fracture. ~~[illegible]~~ Fragilitas ~~[illegible]~~, Mollities ~~[illegible]~~. Bones are organized, having no sensibility.

Up Tu Th,
Down Wed, Sat

Physiology ~~or~~ biology applied = Inst. of Med.

Penna. Hospital, Oct. 16th. 1861.
Drs. J. F. Meigs & G. W. Norris.

28th. of August, albuminous ~~urine~~ urine. Gallic acid 5 grs. in pills before meals. Muriated tincture of iron 25 drops, disease of the kidneys.

Iron foundry man. KO, $2CO_2$, + Benzoic acid, pain in right leg. then turpentine, former not helping it. Corrosive Sub. + KI. Some morphia,

---

49 yrs. woman, jaundice deep, 21st. Sept. generally well. distension of lower 2/3rds. abdomen. stools white 3 times a day. Carcinomatous Scirrhus, in pancreas. She died. dilatation of bile,

---

Cancer of oesophagus.

Norris Fracture of thigh,

Jeff. clinic. Dr. C. D. Meigs.

Case of rheumatism. No albumen in urine by heat. 2 o [illegible] blood in body. ~~10 grs~~: Malaxation.

girl 11, vomiting c~~ontinually~~ after
taking food. Calomel, gum guaia-
cum, Gr. mineral, – Plummer's pills
pinch of rhubarb, pill every
other night.] laboring unmarried man, 24 yrs
old. weighs 20 lbs. less than formerly
genital organs. Excessive discharge.
1/2 oz. prec. carburetted iron. 3
times. day. X rhubarb pills during
a week. [Age 29. Married, stop
Chewing tobacco. Nicotine. Affects.
heart.] Dr. Gross. Bernard Killen
ulcer in right tonsil. destroyed, roof of
palate involved. acid nitrate of
Hg. 1 drachm (solution) 8 of H2O.
swab parts.] Waldeman, 24 yrs age
10 months duration, chronic abscess,
subcutaneous operation. trochar,
scrofulous, yellowish green. different
from ordinary pus. separates like
milk if left standing. great
Compress. Refer in book.] Mrs. Mill
56 yrs old. Delaware. Scirr

mother. mammary gland. Small orange largest. Sharp pains. — Chloroform clothes loose, empty stomach.] boy: Geo. Harvey 12 1/2 years old. Tumor large; ulcerated surfaces. 6 mths of age came on distinct swelling. Congenital most probably. Cystic at first. In the infant cases reported. now comparatively solid. not malignant. probably connected with spine. Serous fluid from trochar,

Dr. Murp.

In it a piece of indestructible ~~[illegible]~~ matter (os sacrum.) luz bone that could not be crushed. ~~among~~ seed of resurrection among Jews. (2). Sacrum in triangle 4 inches on each side. Coccyx 1 1/2 in. long. 5 1/2 in all. 3 in. middle, 1 1/2 anterior. ~~[illegible]~~

~~acetat [illegible]~~ Mitchell.

Opium in dysentery.

arsenic for skin

Headland's System,

(Lindsay & Blakiston),

Class. 1, Haematica

1. Restaurantia;

2. Catalytica.

~~Rest~~

Class 2. Neurotica.

1. Stimulantia.

2. Narcotica.

3. Sedantia.

4. Astringents,

~~Class~~ Eliminantia. Class 3.

Diuretics. &c,

60 drops a fl. drachm,

Oct 17th, 1861, Dickson.

Static & dynamic disease. (palpable,) Probably dynamic precedes all other changes.

disease may not be obvious viz. Epilepsy, Malaria. Tendency constitutes disease. organic & functional, function & structure sometimes are correlevant, org. dead body & knife discovers something. func. " " " " " nothing. Sensorial system liable to latter. Typical & atypical, periodic & non periodic. rhythmic & not rhythmic. acute & chronic, form & type determine name. fevers are acute if for months. Acute may be based on a chronic affection. hectic on tuberculosis. Diseases are entities & non-entities. Is disease [illegible] & [illegible]. an error. There is perversional action. — Hygiene, Etiology, Generally must have Cause. Not treat as mere symptoms. Remote & proximate. That constituent ~~cause~~ circumstance which determines the specific character in an individual, as effects of wind & exposure.

Remote are efficient Causes, 1.
Poisons ~~[illegible]~~ Specific. 2. Diversified in-
fluence. Passive & active. exciting
& predisposing. Some not liable to malaria.
Gross. Epidermis, hair & nails
some say exceptions. Inflammation.
is local at 1st. acute & chronic.
(subacute.)
healthy & unhealthy. wound heals by
inf, common & specific. latter gen.
only once in same individual.
Irritable inflam. latent, vis. typhoid
be sure of Diagnosis. redness gen.
circumscribed. not uniform. Scle-
rotic lilac inflam. conjunctiva
gives scarlet. Iris brick red.
Erysipelas yellowish. Sec. Syph.
copper, enlargement of exha-
ling vessels. ~~[illegible]~~
Swelling greatest where cellu-
lar tissue greatest. Effusion
of serum, plastic matter, pus or
blood. Heat, some said never
went above heat of central
Hunter. region but not so. Increased
circulation will do. Probably
friction of blood [illegible]

Capillaries. Bache: Repulsion.

Particles self-~~[illegible]~~ repulsion. Light may attract heat. Attraction bet. ponderable & imponderable, 2. Imponderable substances, L. H. E. M. Light dismissed. Heat: caloric. fluidity vital actions. Respiration, 1. motion & agencies in [illegible]. 2. ways to rest, & to equil. 3. compar. amt. in diff. bod. 4. changes prod. by this. 5. Instruments to measure intensity. Phenom. depend on motion. Capacity. Each body takes diff. prop. of heat at same temp. Cap. is its caloric holding power at same temp. dec. cap. you get sensible heat. It flows out. 1. Condensation, Light under by compression of air. 109 degrees in gold & in silver don't show same amt. of heat. 2. chemical changes. Combustion produces caloric, $HO + SO_3$ give heat. closer together, (galvanism hard to show decreased heat?: Rubbing sticks together, (also Exc.), increase of cap. makes cold for it takes away caloric, Cryophorus. cold from decrease of heat. Ether & water on air pump.

Pancoast. Anatomy.] muscles can break bones, inject blood show bloodvessels, veins foramina > arterial. nutritious foramina. in thigh & leg run in opposite directions. depends on position of foetus. N pain rarely in sawing, periosteum, vascular, can devel. of new bones. peridesmium Marrow use, sustains in starvation or indigestion. Membrane on this medullary membrane. In cells. Internal artery goes to marrow from nut. foram. head of bone too vascular to necrose, may have caries. — cartilage cells disappear make Haversian canals. hyaline substance

becomes true bone cartilage,
with bone corpuscles. length by
cartilage bet. Epiphysis +
shaft. very vascular. disease
may retard ossific. + [illegible]
lengthen bone. Membranes unite +
limit bone in skull bones. Peri-
osteum determines form of bones,
inner layer of periosteum ;
two shot in middle will
not grow apart, diastasis
from true fracture - 6

Mitchell. Ipecacuanha idio-
syncrasy. change of reme-
dies needed. right & wrong
time for administering medi-
cine. Headland's classif-
ication. Tokens, weights, in
prescriptions. p. 1145 Medico
Chirurg. Rev. 1860 Gross's jour-
nal. Burgundy pitch. from of
pine. Abies. clear frac-
ture. distinguish from other
resins & from assafoetida.

pills in diarrhoea as stimulant. in winter bristle. plasters for cholera in Berlin. in 183— ; Heat it like liquid, don't burn it. Not much good, sometimes harm. Abies - pinus. Good for back with cantharides. 2. Larch (Abies.) for purpura hemorrhagica. 3, Absinthium, wormwood. don't put it in sun. in loft. Infusion decoction latter boiled former cold or hot. ext, extract, anthelmintic. 4, Acacia = pulv. mimosa nilotica. Gum Senegal has to be powdered in larger pieces. Impure, powder makes mucilage. Not in alcohol or ethers. 4 oz. gum arabic in pt. of H_2O (hot) mucilage. has N. very nutritive, demulcent. bowel affections. gonorrhoea. Chalk pills. chalk + arabic soothe. use as much as u as possible acts as medium bet. oil & HO. Good in Scalds. Paint over & over. Collodion good for this, latter has ether. Cerasin Cherry, gum not soluble in HO. Strictly 1 Japan earth, two oz catechu, ~~Stone~~ astringent. Color, don't mind. gargle, tincture, fissured nipples.

Dunglison.

functions,

Organic, or Vegetative or Nutritive,
- Digestion,
- Absorption,
- Respiration
- Circulation
- Secretion.
- Nutrition,
- Calorifaction,
- Reproduction

~~Ani~~

Animal
- Sensation,
- Intellection,
- Voluntary motion.

A living being is born, nourished, reproduces, & dies.

Stupid agg applied.

medulla oblongata

for respiration. Organic & inorganic. Spontaneous generation can not be. omne vivum ex ovo. organic: common to vegetable & animal. nervous system needed in animals. no " " " in vegetables.

Oct. 18th, 1861.

Dickson. Medicines are essentially hurtful. Distinction not often marked. Sea-sickness, tobacco. affecting differently. Excess, Habitual ~~[illegible]~~ food. Habit governs. Predisposition, state of disease; & Specific no warning. Seat, medicines may act on different parts of the frame. General effects or specific effects. Scrofula & gout. General Constitutional affections. Consider seat of disease 1, then, 2, func. pain does not always indicate seat. Hip will hurt knee joint sometimes. 1, empirical, 2, scientific counteract effect, symptoms are effects. don't follow [illegible]

Medicine Indians eat Tobacco

1. cause. 2. Phenomena. 3. Morbid anatomy.

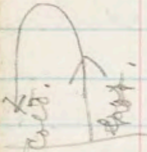
Diet. Some hurtful things may be eliminated as fast as taken in. Tobacco. All diseases injurious essentially. Disease not always shown in dead body, morbid anatomy, not retrospective but prospective. Classif.

Physiology of Goode. 1. Circulatory system. 2. Digestive system. Early. Gross. Heat 10° higher often. Pain. degree & Character: lungs dull, heavy, pleurisy, sharp, lancinating; urethra burning, more severe at micturition. Ven. Syph. especially so. Severer in covering than in tissue of an organ. Pain not in seat of inflam. Often liver pain in right shoulder. Pain may be not to be regarded or you must again give ~~an~~ anodynes. in strangulated hernia, sudden cessation of pain bad sign, mortified. Pain

produced from effused fluids &
tension / Abscess, Nervous
disease, Unhealthy state of brain
is a sine qua non of pain,
Pain is throbbing, sign of abscess
in liver inflam. Change of position, tooth-
ache. Pain of inflam. & of spasm,
I; belly-ache not changed by posture
Pain a sentinel. Disordered function
bone inf. like insects gnawing. Peri-
tonitis not bear finger. Symptomatic
fever. Idiopathic or trauma-
tic. 35 to 42 oz. bile in 24
hrs. Bache. Dilatation, gives
cold out → in. [illegible] mixtures.
Ward got 91°; 2. At rest. three
ways. 1. radiation, 2. conduction
3. convection, (circulating.) Radi-
ant heat, law, excess of temp.
given rate of rad. depends on radi-
ating body. Condition & color of
surface alters the same body
power of rad. 156 nts. for
pro reflecting sphere boiling
half temp. 81 nts. blackened.

black > bright radiator. rad.
heat is 1. transmitted 2 absorbed 3 reflected, transcalent: rock salt
good radiators are good absorbents, reflecting ∠ 1
angle reflec. = angle incid. radiating
reflection with reflector, red hot
Cannon ball, parallel rays,

Conduction of metals, best piles, half dollar. + Ag, Au, Cu, Fe, Pt
+ brick, pottery, then silk & [illegible] me, in order; Liquids poor, gases not at all. 3, Convection in ~~liquids~~ fluids (liquids + gases).



Pancoast.
Cartilage insensible, fibro-cartilage, cells & walls making fibres, elastic, [illegible] fibres
cartilages not vascular. Ether & Chinese [illegible] [illegible] vessels. cell [illegible] in Mamma adult. Original child bone [illegible] bone formation stopped at [illegible] never affect cartilage.

synovials, absorbents (lymph.) vessels
originally over whole head of bone
then gives away to margin & o in
Eye, Epiphyseal lamina over
head to which flaps attached in am-
putation. never over cartilage. di-
arthrosis ginglymus amphi-
arthrosis synarthrosis. liga-
ment stronger than bone, they
are organized. sprain = fracture
of a ligament. Tendon cant not feel
twist, does. Inextensible. diseases
of shaft dont often extend to epi-
physis, — yellow elastic, shown
in bullocks. Meigs. 5 ps. in
sacrum orig. oblique pelvis, in
which one - [illegible]. 3 bs. acet,
of ilium $\frac{2}{5}$ to, ischium $\frac{1}{5}$ to os pubis
Spanish barbers basin. 4, 8, 11, —,
Catecombs ~~from~~ in Thebes 17 yrs.
of age pelvis. $2\frac{1}{4}$ $1\frac{1}{4}$ in ~~[illegible]~~
weight 2 oz, 5 months long, wide
linea ilio-pectinea, brim
inlet, perineal, abdominal.

two shafts / artery or X humors
process point of departure..

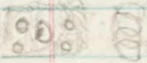
Digestion,

Ultimate elements always present,
O, H, C, N,

Ult. elements usually in small proportion,
Cl, I, Br, Fl. S, P, K, Na,
Ca, Magnesium, Silicon, Fe,
Manganese,

Primary fibre.

Areolar, (Gelatine,)
Muscular, (Fibrous).
Nervous, (Fat albumen,).



Organic or
Compound
elements.

Albumen.
Fibrin.
Casein.
Gelatin.
&c.

Constituent of solids,
1, nuclei or cell-germs.
2. Cells, primary or elementary.

3. Filaments or Fibrilles,
(elementary tissues)
4. Fibres — limits in body
2/31 1/3 solid. All life in solid
1/3
originally. Solidist. Erroneous
idea elementary globule. ~~All~~ Cell
doctrine fatally at issue. Schwann,
cell has living force of excretion
& suction. Areolar shows frame-
work of body. ~~III~~ Easily
communicating. Elasticity,
flexibility, extensibility.

Penna. Hospital. Oct. 19th.
Dr. J. F. Meigs. Dr. Mc
Dearman 37, rheumatism, Key
West, Hatteras. Chill, very sensitive
hand. 3 weeks standing. No fever.
good appetite. In left hand, was
with in right hand, right shoul-
der, ~~f~~ connected with gonor-
rhea, don't wander as articu-
lar rheumatism. Lactic acid
in excess in blood probable cause
of acute rheumatism. KI
+ Ch. Hg 7 gr [illegible] a day

6 weeks here, rheumatism in 2
wrists fixed, scarcely any fever,
36 yrs. age. Chloride of Pylamine
Acetate of KO 15 grms
4 grms. Dovers powder at night
mercurial ointment. gonorrhea.
Cl_2Hg + KI, Some citrate of
iron | 26 yrs. young St. Thomas,
Chills, Potash. Intermittent, qui-
nine & opium | Dr. Norris
gun shot wound, ice water
Jeff. clinic, Oct. 19th " C.D. Meigs
M.D. | feeling of suffocation in
throat, woman. Nitrate of silver
can be used without burning, alters
vital state, Papper gargle. or
nitrate of silver with hairs brush
2 grms. in ℥ of distilled H_2O.
anti-phlogistic. ℥1/2, ʒ1/2, 1 1/2
womb, women shout! 1/1, —
, ·· 5 tms. a day globus
hystericus, hysterical radiation
attacks, 52 or 53. [illegible]

(vaccine vesicle runs 16 days, At
height at 9th. Day.), wheel-
wright. vertigo, unequal action of
two sides of brain. hemicrani-
a. [Dr. Gross. aneurism of pop-
liteal artery. Jno. Rader 45 yr.
of age. 5 drops 4 times a daily
tincture veratrum viride, allay
hearts action, pulsation has
ceased, absorption going on. pres-
sure. digital & mechanical com-
pression. — John ~~Flink~~ Flinn aged 26
years. 9 mths, fever & ague.
uvula destroyed — syphilitic.
Acid Nitrate of Hg° ~~[illegible]~~ as lotion
powerful astringent
Bernard Killen, close on a year.
falling of the hair. syphilitic,
ulcer of mouth, greater pain
at night. 8 grns. of KI to
$\frac{1}{8}$ grn. Cor. Subl. (medicine
given to develop diagnosis.) 3
grns. in 24 hrs. Secondary syphilis.
Jno. Hays, 17 yrs. of age.
trunk maker. married. ~~[illegible]~~

Swelling in groin, over Pou-
parts ligament, hard, indurated,
twist or foot may yet produce this,
pubo, (?), always accompanied
with chancre! no two kinds of
chancre, Incision in line of
Poupart's ligament. Sugar of
lead wet cloths, antimonial mixture
treat as inflammation. $Cu O, S O_3$
stimulant to part. [Obstruction
of nasal duct, girl aged 16, in-
flammation of mucous surface
open into lachrymal sac, put style
in. Purge, in dark room, no meat.
If swelling, anodyne, & a leech.

Mr Chilly

Acacia Catechu, concluded. Acetum
Vinegar how formed, convenient
remedy — Astringent, cooling & [illegible],
Use in arthritic rheumatism.
before lemon juice, Burning
scalds cured by it, Distilled Vine-
gar — Acetic acid, how they
differ — vesicant power of a

cetic acid - Escharotic uses - Pyroligneous acid - How it is produced, how it differs from Acetic acid & Vinegar - Antiseptic properties of - Disinfectant, Other uses of - Poison by all forms of Vinegar Antidote. Adulteration by Sulphuric acid, detection - Benzoic acid - other names - Solid acid - Sensible qualities Gum benzoin, the acid, how got from the gum - uses of the gum or resin / Compound Tincture of Benzoic acid & Otheras Paregoric Elixir

Catechu = Terra japonica incompp. with opium & ipecacuanha. Acetate of lead for uterine hemorrhage. Colchicum for gout. ~~Vinegar + 3~~ Tinct. Jalap flour and scraped potatoes also for scalds & burns. 5 senses. Acetic acid for chancre Vener-

Cerial ointment, Pyroligneous acid with white of egg good for fissured nipples, Attend to digestion, good for ringworms, Scarlatina maligna. Gargle, Magnesia good for antidote to ring for poison, muriate of baryta detects SO_3 in vinegar.

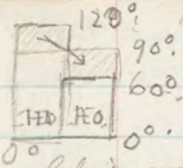
Meigs, false & true pelvis. Incisura = sacro-ischiatic notch.) axis inclined ~~width~~ length of plane of upper strait 4 4 1/2 about. Carus's Dresden Saxony arc put compass leg at symphysis pubis, (2 inches radius antero posterior diam. 4 inches. (Superior strait.). transverse diam. of " " 4 1/2 in.
3 $\frac{88}{100}$ in. smallest diam, of child's head, diagonal diam. of superior strait 5 in. Inferior strait antero-posterior diam. 4 1/2, transverse 4 in. Sacro vertebral angle.

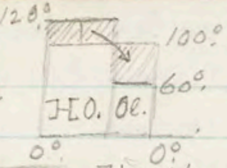
Dickson Oct. 21st. 1861.

Disease incubates.
vitalist, humorist. Nervous & circulatory. Dead & dying matter by digestion. — 1. circulatory, Phenom
Blood is affected no doubt.
objective & subjective. 1. You can appreciate 2. You cannot appreciate (got from patient.). Circulatory are objective 2. Sensorial are subjective, matter, & construction, Pulse, haematology; white corpuscles + causes death, foreign matters in blood. living action dies. non-elimination cause of disease, infant 140, man 70, irregular,
1. Sensorial.
something wrong. gastritis not full enteritis full phlebitis bronchitis full, hard, bounding. Cant make especial laws, large full soft want of elasticity in artery bad, oppressed pulse haemorrhage, depressed pulse, ~~1st 2nd~~ 1st. at beginning of disease, 2nd. later.

Dr. Gross. Surgery. special Senses affected. Thirst, Exaltation with tendency to cell formation diminishes Chlorides. Quick

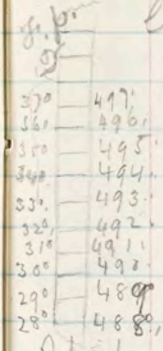
& frequent pulses differ, vibratory
hard, full, Symptomatic fever). There
are naturally slow & naturally frequent
pulses. Women > men. peritonitis
hard, wiry, vesperal Exacerbation.
Natural. Fibrin : blood :: 3 : 1000.
white : red corp. :: 1 : 200 or 300. increase
of two latter in high inflam. buf-
fy coat. fibrin naturally colorless.
red globules settle, fibrin rises to top.
if cup concave (severe). both above &
~~low in both~~ below. may occur in slight
inflam. hard run horse, in pregnancy.
in ~~[illegible]~~ anaemia. Causes 1. predisposing.
2. Exciting. Climate cause of this. age
Sex, " " Everything. — spread. 1.
continuity of structure. 2. contiguity
ty. (~~3~~ 3. sympathetic.) ~~4~~ 3. blood
(all are local at 1st.) 5. lymphatics.
No spontaneous generation
of inflammation. | Bache.
Relative heats in different
bodies at same temp. (Same [illegible]).
(Specific) which is capacity.


120°
90°
60°
0°
H₂O
H₂O
0°


120°
100°
60°
H.O.
Ol.
0°
0°

oil has ~~X~~ 1/2 capacity for heat that HO has.

~~Cb~~ i $\overline{aa}$. HO standard for solids & liquids. Air " " vapors & gases. Bulk or volume is applied to gases, solids & liq.: in Equal vols, absolute heat


sp. gr.
5
37° 497.
36° 496.
35° 495.
34° 494.
33° 493.
32° 492.
31° 491.
30° 490.
29° 489.
28° 488.

4. Changes produced by caloric. (1. changes in bulk, 2nd state of aggregation. 1.1. no change in state & yet in bulk, as solid, liquid & gases, change least in sol. & increases of. Expansion. among solids metals most. compound bar. + Zinc, Pb, St, Cu, Fe, Platinum —, vibrating bar, Expansion in given temp. is greater if higher on scale. —. liq. differ in Expansibility. alcohol > water. more a liquid Exp. volume heating the lower is its boiling point. alcohol at 176°. Hg at 660°)

Pancoast.

Flat bones developed bet. two membranes. Mean 120 yrs. No sutures.

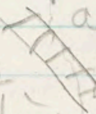
diploe. Vitreous tables inner more
CaO, PO_5. Serrae never ~~from~~ inside
for brittle, but membrane acts like
cement, separate. 1. for parturition
2. for shape. Occipital have ribs for
groinings to strengthen. 8 bones
in skull. ossa triquetra,
hydrocephalus. coronal & lamb-
doidal, / arrow. sagittal, | frontal.
anterior fontanelle. post
4. 3
frontal boss. no nasal boss in
child) high forehead from scrof-
ulous development sometimes.
no frontal sinuses in children
bleeding at nose takes off
blood from longitudinal sinus
helps congested brain. Meigs.
4 in. 10 times long diam. Child's
~~longest head~~ diam head. 5 in
. Coccyx has some power of
retrocession. ~~[illegible]~~
inclination of planes 1/4 in. in
3 1/2 inches, 35

urine in a day. When a speculum exam. is to be made by appointment see to it that woman does not urinate some hours at least before for bladder will force os uteri down. tell her to use the levator ani.

Dunglison

Tubes filled with

Immersed in	Sand	powdered glass,	Saw dust,
alcohol	85	175.	125
water	175	182	60



Salines alkaline serums.

Muriate of ~~Soda~~ Morphia, curare. wet rope tight. dry " loose.

HS. yellow coat of artery elastic

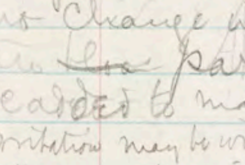
cornification, hygro-metric property when air is warm we pass with moisture. linseed oil + lime water (soapy) apply to rag, or raw cotton for burns. ~~Of pa~~ of absorbing water when atmosphere wet. turpentine, oil, + wax for burns. imbibition

& transudation, endosmose &
Exosmose. Capillary attraction.
If it will wet it (has affinity
for it) it will rise. Miscible,
belongs to inorganic as to organic
bladder over a vessel with alcohol
& water will allow ~~alco~~
water to go out keeps alcohol
in gum opposite.

Dickson. Tuesday October 22nd.
Some medicines act directly on the
blood, disintegrating it. ~~Med-~~
an atom of purulent matter, Another
being in small-pox and her
foetus had small pox in utero
She herself escaping it. Reach-
es blood by absorption from with-
out. Medicines may act dy-
namically by their presence
& not making manifest change.
have an acute sense of touch.
Pulse not always a true ~~ind~~ Indi-

tension. Distribution; no general
hyperaemia (plethora relative
[illegible], result of irritation &
congestion (called determina-
tion) Hyperaemia is not
always disease, eg. blush
&c. passive & active.

Spleen easily yields. Blood driven
to certain parts not sought for.
Congestion when nothing but abundance
no change in production, secretion
in ~~the~~ part. Irritation must
be added to make inflammation.
Irritation may be without inflam. sneezing &c.
Inflam. shown in contractile & sensitive
tissues. pain & spasm. Inflexible tube
conveys with greater amt. & greater force
than flexible tube. Contraction then
Expansion. Centres of stagnation.



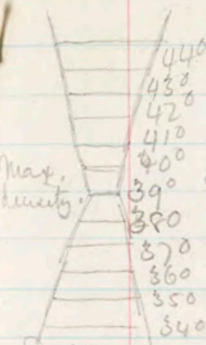
Then Exudation.
throbbing

Dr. Gross. Capillaries
minute tubes bet. ~~the~~
arteries & veins. One displays
red Color of blood, Qus. does

Exciting Causes 1. Chemical. 2. Constitutional.
not transmit Corpuscles to
3. mechanical.
particles. Red Corpuscles flattened
coin
sphere, White Few Rounded, finely
larger
granulated Surface. White keep close
to inner Surface, Red in (interior)
(middle)
dilation &
1st. in inflam. contraction in capillary.
2. quick circ. 3. Stagnation. 4.
Coats of vessels inflamed and then
fatty degeneration, exudation,
frog's foot with alcohol, heart
aroused by invasion sympathy, now
red & white mix together, red & white
both more flattened than usual,
Cohesive property increased. Change from
Scarlet to deep red. Vessels tortuous,
effusion of contents, In pleurisy [illegible]
Extravasated, serum, plastic matter, pus,
pure blood. Nervous filaments
muscle constrictor probably cut off.
Cut nerve gives high Congestion
of inflammation. Gangrene).
terminations 1. Life. 2. Death (of part.) (& in
spasms, mortification. — Treatment.
1. Remove Cause, 2. Establish-
ment of Part to health. Find
nature & Seat of action; When in
latent inflam. treat it on general

3, principles. remove cause of evident.

Bache, 3. gases & vapors. all
expand alike with
same increment of
temp, air at 32° if
it gets to 33° has in-
creased $\frac{1}{492}$ of its bulk.
Makes absurdity if carried
at 492° below 32° F. P.
would annihilate gas.



Solids &c. 1, Alumina contracts in
fire. 2. Certain Crystals. Some sides will
expand & others will contract. Liquid
Excep. 1. HO. 32° to 39° decreases
by heat above 39° increases by heat.
top of water at 39° ceases to sink.
Kill all fishes, all rivers would
freeze. 2. Change of aggrega-
tion. 1. changes from solids to liquids
increase of bulk. Excep. Ice in
melting. 2, Cast iron in melting
bulk less than when not melted.
Crystalline matter all of these.
Relations of caloric modified.

1. from solid to liquid temp may be constant for as heat comes in, capacity increases so → ← opposite forces. Mix

1 lb ice 32°.

1 lb. water 172°

mixture will be at 32° when melted. diff 140°.

this 140° is called latent heat.

rejects the term. Increase of cap. makes it as much colder as addition of temp. makes it hotter. 1. gravity & 2. cohesion oppose melting, melting & boiling points 3. pressure of atmosphere resists. 140° diff if no air. Ether boils at 104°. Elas. force of vapor overcomes pressure of atmosphere. 1 pt. of water makes 1698 pts. of steam. ether will [illegible] hot water when boiling. relieve pressure of air & it will boil if much heat in it. boiling paradox. Pure anat.

frontale 2 parietale 1 centre of ossification

foramen in parietal at anterior
inferior angle, if artery cut trephine
skull fill up foramen, Sinus
ends in Coecum foramen of
os frontis, longitudinal vein, if
leech back of head you affect
veins in Sinus for foramina
go through. long. sinus lateral veins
internal jugular. Occipital
centres. torcular where inferior
occipital, long. sinus & lateral
sinuses meet. nod bet. condyles
& atlas, rotate bet. 1st & 2nd ver.

temporal has artificial divisions
squamous, petrous, mastoid,
dislocation of jaw. Mitchell.

ringer used in night sweats,
flooding for chancre by a German
physician. Benzoic
acid, is odourless. never in crystals
in white scales. ~~flowers of~~ benzoin
resin + little yellow + benzoic
acid agreeable odor, ~~fragrant~~
fragrant. put gum powdered
into NaO, $2CO_2$ & you get

$NaO, \bar{B}$. ~~heat it to 225°~~ or sublime given at 225°, good for aphonia, Expectorant good for colds, for hemorrhages. Braithwaite ~~B XXXVII~~, Epistaxis, 3℥ in pt. of brandy. 1 f℥ up nose arrest Epistaxis, ½ f℥ up rectum good, in paregoric, Tinct. Op. Camph. Diuretic; acts with Copaiba 1℥ blend with white of egg, Lithic acid diathesis. It is catalytic hematic. Never appear in urine. It is decomposed superseded by hippuric acid. — CO_2, effervescing drinks, yeast good for low fevers (CO_2), poultice. CO_2 injected into rectum in low fevers, Grotto del Cane. Cold water poured from height, - ~~[illegible]~~ counter-irritants. — Citric acid, in fruits, cranberry, Citrate of Na soluble, add lime to lemon juice make insoluble Citrate of lime then add SO_3. Prescribable alcohol (few drops) will keep lemon juice, scurvy. It will prevent it, ʒ½ʒ (15 grns. in table spoonful of water does for lemon juice. Dist. bet. citric & tartaric acids. KO, CO_2 dissolve acid in HO, insoluble ~~with~~ salt ~~of~~ added cream of tartar if tartaric, but citrates are soluble. Can act as an antacid, for morbid acidity of stomach. Tone gone, mild acid tonic. Not for casual but for long continued drowsiness, ophthalmia sub-acute (counter irritant), pleuritis, on surface. - poison neutralize acid.] Dunglison: congested when burned combustion: [illegible] oil for great factory in Scotland. Dependent fluid rising & mediums. Water is greater, milk in less. Quantity & nature of the dep- [illegible] & temperature af-

fects. thicken blood lost to b
hemorrhage. If a person
bleeding drinks freely water
will go at once to the blood,
give dry diet. bits of ice in
mouth. alcohol affects liver.
dropsy of abdomen Remedies
Glauber's salt, MgO, CO Ep-
som salts, NaO, CO_2 Cathar-
tic in → out serum thinner fluid
watery evacuations ←, If with
diarrhoea give Morphia's
murias, mix this with NaO,
SO_3 Current slower, retards
passage. acts other way on
diarrhoea, physical effect,
in ← out. Curare will
not pass through (serpent
poison in stomach innoc-
uous. law applies to gases.
Dr. J. R. Mitchell.
CO_2 air in respiration
bladder in fish. Disease
air in cavities.

Penna, Hospital clinic, Dr. Meigs, Oct. 23rd, 1861. Wednesday

Seaman, diarrhoea, pain in his head, fever, 12 & 14th day rose colored spots, gums very red, whitish exudation on teeth typhoid fever, mild case. ~~dreams~~. dreams, mind heavy. liquor ammoniae acetatis 10 drops of turpentine every 4 hours for dryness of tongue. Diet, give milk bread.

Seaman 20 yrs. of age, 18 mths. ago rising in abdomen, symptoms of jaundice lately, dimness of sight urine deposited amorphous urates, coloring matter of bile in urine in small quantity. hypertrophy of liver, scrofulous enlargement " " ". Muriate of Ammonia, warm liver.

Dr. Levick, boy 5 yrs. old, parents have died of consumption, pains in forehead, pulse full & slow, bowels vomiting;

Constipation. Strabismus. legs drawn up.
tuberculous meningitis. Convulsions
(not severe.), cathartics, diuretics
KI. large brain. tubercles in serous
membrane; hydrocephalus acutus.
-Calomel, KI & cured case. cold
liver, quiet, if ~~bad headache~~

Dr. Norris } black man, frac-
Norris. } ture of ulna.

Jeff. Clinic, Oct. 23rd. 1861.
Dr. C. D. Meigs. } Girl 16 yrs
Augustine Lesser, scarlet fever
at 6. or 7, nothing to do with this.
6 mths. ago taken. disgust for food.
Pale, hyperæsthesia; Periods when
she grew very fast, Period reached
in cities generally about 14½.
trouble in intestinal tube, hy-
dræmia, 100 grns, iron by
hydrogen, honey & pill mass
q. s. 100 pills. after meals.

Dr. Gross 1 P.M. Margaret
Welch 56 years. Lupus
non exedens. — [illegible]

lupus rodens. Caustic + quick lime, or better knife. ℞ arsenious acid, iodide of iron, Cinchona.

William Flood 4 weeks, club foot, bone forms,

little girl, discharge at arm alternates with " from ear, had measles. not sufficiently supported. child's anaemic.

James Kirk, enlarged belly. Tumor great extension. Swelling to feet. [illegible] visible since (month of May. Disease of Mesenteric ganglions. Soft cancer most likely. give anodynes, nutritious food. iron, quinine, morphine. must die.

Patrick Riley, 12 mths. touch opposite shoulder. lift hand in air. pain in neck, no fracture of humerus, not dislocated, severe sprain, 15 grs. Dover's powder, anodyne liniment, (2 ℥ Spirits of Am. in this). hot water in stream then cold. friction. humorous fellow.

Isaac Miller 44 yrs. of age, adhesion of arm to shoulder, scald not keep in proper position when healing. Scars contract. Separate by operation, prevent re-adhesion. xc bore it well without chloroform. He
~~[illegible]~~

Mags. anterior columnar attaches womb to pelvis; (3 inches long), fundus 2 1/4 in above neck (which is anchored), 40 oz. of water a day (urine). fundus position depends on ~~[illegible]~~ state of bladder. Prolapsus uteri helped by use of levatores And, once took 65 oz. water from woman's groin, ligamenta rotunda ~~of~~ stretched by full bladder. top of womb is below plane of sup. strait. 3/4 ths. or 1/2 inch. when bladder empty rises above, Canal of urethra 1½ in = height of symphysis, drawing of certain German fills bladder with cocoanut oil, standing back of womb looks forward & upwards. tense–
[illegible], abdominal mus–

cles vs. perineal muscles. "bearing down", ~~tt~~ auricular cartilage. pubic ligaments, triangular ligament at symphysis pubis, Mitchell,

Acidum Hydrocyanicum – Cyanide of H. Prussic acid – why the change of name – In what vegetable matters found, Sensible properties of the acid. color, why kept in dark colored bottles. peculiar odor – vapor injurious – Pure acid medicinal acid – want of uniformity in strength of, Old French Expectorant syrup, Dose of the medicinal acid. Peach leaves the best form of using it, How made Use in irritable stomach – always safe – use of the acid in asthma, pertussis &c, also in irritable stomach – External uses valuable, Poisonous action – Narcotic – how to meet a case – Antidotes – To detect the poison – How long after death it may be detected – Antidotal powers of the acid,

Cantharides in small quantities as diuretic. In large cases toto name from Prussian blue, wild cherry, peach, bitter almond & laurel water. pure color less, green stain from, smell peach blossom. distilled, S ~~O3 to KO Fe Cy~~ = ~~KO, SO + HCy~~

~~Rx~~ KO, Cy + SO_3, HO = cyanide of silver & ~~HS~~

HS over cyanuret. Can't be relied on. Outlines are from Mitchell, I guess as in his note book. KO Cy 1/4 gm. dose for it. Oil of ½ spoon, 1 gm (Fe) Cy, KO. + [illegible], in stom., in remittent fever. wine glass of peach leaf decoction, 1/2 hrs, in cholera infantum, & direct sedative. Cl + HCy poison cured by cold water stream & chlorate of soda. Gas, add it to solution of iron.

HCy, 2 ℥ itching.

Sulph of Lead 1 ℈

1 oz

water 8 oz

For hypos?

Scalds. for hemicrania. Acet. Morph. 4 grns. in few drops Acetic acid 1½ ℥ laurel water + 10 ♏ HCy acid, relief instantaneous. p 260 Braithwaite XLVIII, helps cod liver oil, Coating end of tape worm, - symptoms ~~heavy on head~~ heaviness on head. Chlorine antidote. Chlorate of Soda.

~~Oct.~~ Thursday (fast day taken Oct. 24th. 1861 from resume.)

~~Dr Dickson. Physiology of Draper[illegible]~~

Fever, can not define fever[illegible]-ackly. Fevers show similarity: irregular morbid [illegible]

1. Result of distribution of blood conjoint disturbance of Sensorial & Circulatory. ~~Neurotic~~ 2. nervous fever & Inflammatic fever. Idio-

pathic & symptomatic, Idio. are
those are which the local disorder
is not the cause. In symp. " "
is the Cause, pyrectic are pneu-
monia bronchitis. Has fever any
connection with disease except.
Coincidence? . Once sharp pain
with dyspnoea coming after
& not before, dysentery pyrectic
profluvia (2) fever may pre-
cede or follow. Some contend
that cholera has febrile & kind
when continued. Periodic re-
current, typhoid progressive
may be periodic. Continuous fevers
not intermittent & just re-
current, malarial fevers are
recurrent. Dickson.

Friday Oct. 25th, 1861

type is used to indicate such
change. Some impressed on
a fever. Copeland errors
regard to type. He says types
[illegible]

changeable. All the types of
fever depend on the Cause
Causes. fevers comes from de-
bility chiefly Seasonal. Yellow
exanthematous
fever generally takes down at once
Acts on various ~~forms~~ organs
with much similarity. Latent
stage of fever = incubation of
inflammation. He believes we
may not be able to cut short fevers.
Has been cut short by baths, Lan-
cet, emetic. opium qui-
nine can do it. Not to be
allowed to go on. Fever uses up
parts of body. Yellow fever
has latent periods of many
Days. Malignity ~~& Effect~~ of
If goes off 21 days man safe.
have
Dr. Allens longer than this.
— Then come concurrent phe-
nomena, not as Cause & Effect
but effects of 1st. Cause. Hot &
not consequent of cold stage for
1. ~~[illegible]~~ hot ~~[illegible]~~ is sometimes

without cold, vessels are paralyzed. Sensitiveness to heat is increased. Greatest heat in yellow fever is unknown & in Scarlatina at surface (102°,) In first after death 112°. Patient not as hot as he thinks he is.] Errors. Oct.

24th. 1861. Thursday. Enema. Const. treatment 1 pt. to 1 pt. of water. 1. Purgatives 1. deplete parts; 2. Calomel with senna, C — th. 3. clearing pt. 4. [illegible] affect liver, stimulate muscular fibres. 5. By helping

2. Emetics dangerous in nausea, Other remedies. headache, pain in back, not disease disorders of stomach. 1. dislodge irritating matter 2. unlock secretions & 3. diminish heart's action. 4. help other remedies.

not in peritonitis, cephalitis, arachnitis. Tepid water taken to clear bowels. nor in fractures.

Tartar emetic ipecac, alum, mustard, give in pleurisy, &c. 20 grs. even 20 gtts. zinc, S.O. 3. best for children.

Friday, Oct 25th. 1861. Tartar emetic not to be given to weaken persons, 3. depressant diminish heart's action. Dose

bleed in strong constitution & full pulse, bleeding sympathies of disease simulates

to stop emesis, anodynes & blisters.
Tar. emetic, ipecac. Dose 1/6 to 1/10
grn. 2 grns tar. emet. in 12 ℥ (1 gr.)
Sol., 1 ℥ Dose, every hour 2 or 3
as impression is. If purging or
painful add morphine, aconite (stronger) vera-
trum viride, digitalis, alcoholic solu
tincture in use. Used 1st. as anti-
phlogistic. Dose 1, 2, 3, 4 or 5 m
q. 2 hrs 1/2 or 3 as imp., diminishes
hearts action. ver. viride tincture
5 from 8 m. I do not use digi-
talis. (No use) — lancet does better than all these
Purgatives, Hg. is given for same (liver weighs 3½ lbs. secretion 10-12 ℥ quantities.)
purpose, to promote secretion,
& to help other meds, to change
quality of blood: lancet, purga-
tive, mercury (order), Hg. not
given in inflam. of brain. form.
calomel, blue mass, about 2 to
5 grns. every four or five hours if
case severe; this will purge.
If Hg. action hard give anodyne for
stimulant to keep it in system.
If case quiet, 1/2 grn. every 6
hrs. If griping, give castor oil

Do not give brandy in syncope from bleeding if you fear re-action

gets rid of bile, which irritates.
Salt of MgO. Be careful about the
Mercury, get idiosyncrasy, Do not
Salivate. Terrible abuse of it. Cook's
pill (R. A. C.) terrible. Words on
Mercury. Sometimes as an oint
ment of blue ointment at axillae
& groin. Not by bare hand but by gloves.
effect. tongue tumid teeth uneasy,
breath fetid, taste metallic. Dis-
continue or in small quants. If
Goulard's ext. discolors teeth
Salivation ensued, Acet. of Lead
but, soap, zinc. Specific. dressing &c.
2 ℥ to 1 pt. of HO, mouth wash
or internally borax.
KO, ClO_5, Alum. (Always in
order of excellency). gentle e-
metic. leech if swelling, fomen-
tations. Skin dry, naturally 16 or 20
in day.
of ℥. give Diaphoretics. ice water
in cold blanket. better than tepid. tar-
tar emetic, ipecac. 1/6, 1/8 - 1/20 grn.
pain anodyne. opens pores. Dover's
powder 10 grns. pills, cold water
after. sponging. Scarlet fever
& measles in both tepid water
or cold (10 or 15 mnts. tepid bath
850 to 90 on to 112° hot.

Steam kind with warm not hot steam.

Definitions, Functions that concern preservation of the individual. }

2nd. of the species Reproduction.

Bache. Oct. 24th, on thermometers Breguet's measures minute degrees of heat, helix of two metals, at end hand that moves on plate; Ag. + Pt. soldered by Au, delicate.

Bache, Friday, Oct. 25th. Electricity, glass + sealing wax, Imponderable, ηλεκτρον amber. In all ponderable matter. In equil. not seen. Electrically excited by mere contact, chemical agencies, heat, friction or mere contact mechanical common elec. by chem. agen. 2. Galvanism, by heat 3 Thermo-Elect, 1. common elec. 1. friction

frictional, 2. contact electricity —
all bodies can be excited momen-
tary or permanent 1. ~~non~~ con-
ductors. 2. non conductors. 1.1.
non electrics, 2. electrics. metals
& charcoal are conduc. glass
resin & dry air are non conduc.
insulated. Keeping conduct. from
letting its elect. go. rubb glass
1st. attraction. 2. repulsion.
glass exc. differs from resinous exc.
discovered by Dufay, said vitreous &
resinous. like [illegible]
unlike ~~repel~~ attract, [illegible]
1759 Symmer. Both elect. exist
in each substance. relative
series, glass & cats back.
(r. & v.), ~~greatest~~ greatest
electric vitreous, cats back,
foot of scale is sulphur.
Franklin 1 elec. V. pos. R. neg. more than
usual or less give electric,
manif. Pancoast.

Oct. 24th.) temporal bone

Friday, Oct. 25th, 1861.

Sphenoid. (bat shaped) - in contact with 5 of face), cells developed 14 or 15th year, open into pharynx. Schneiderian mem., a periosteum, & a mucous ", blood flows into nose when on face & " " " pharynx " " back comes from sphenoidal cells. lesser wings = apophyses of Ingrassias, pituitary body's uses not known, cavernous sinus of the crest, Carotid makes two turns to diminish its force; it supplies the Eye. In lower animals divides & then re-unites (heads [illegible]) - optic nerves cross at processus olivarus fibres cross to reach two lobes [illegible] | ethmoid. protrusion of the eye have probably syphilitic or if not

Cancerous tumor, polypus tumor no ~~central~~ nasal orifice up by cribriform plate very narrow ($\frac{1}{16}$ th. inch) space. [illegible]

Oct. 25th. 6 points, two acetabula, symphysis pubis, sacrum, sacro-iliac articulations, Cardinal point = 1. left acetabular region, 2. right acet. 3. symph. pub. 4. right sacro. iliac. reg. 5. left sacr. ili. region. 6. promontory of the sacrum. chin = to vertex 5 in 5 lines, 4 $\frac{7}{10}$ in. from vertex to centre of forehead. 3 $\frac{88}{100}$ in. from temple to temple, placenta 1 1/2 lb, some have pelvis loose from excessive pressure on ligaments, Pelvis is a fixed quantity, [illegible]. head of foetus not fixed. Child 18 to 22 in. high is flexed not extended. when doubled up 12 in. long + 3.88 across. Olive in natnarrow necked bottle. frontal & occipital poles, flexed & bent over towards stomach. Vertex = union of sutures on top of head. (3.) Sagittal & lambdoidals. 1. head flexed first presentation when with cardinal point of pelvis, occipito-anterior, occipito-posterior, occiput is towards back or front. Position = numerical relation of cardinal points, vertex left, right, front, right, left, front, rectum throws head gen. to left. 1st. most common, 4th next,

Dunglison, Oct. 24th, 1861.

Albumen O. Some thought
Fibrin. H. there was a vital
Casein, &c. C, force separate
from matter.
Water N, vis medicatrix
Carb. Acid. naturae, There is
Ammonia, Some force, Tissue
with life responds to irritant.

Irritability. Exposing feet to ~~exit~~ stove, can have different parts effected. Sympathy or consent of parts. Paroti & testes often affected together, uterus & mamma, 1. by continuity. calomel, 2. contiguity, aloes, uterus. Nervous system comes in hydrophobia & tetanus. irritates duodenum, and affects ~~bile~~ liver.

Dungleson, Oct. 25th, 1861.

Functions. No nervous system in vegetables formerly we had. 1. Circu. 2. Respir. 3. Innerv. better begin with building up, — 1. Digestion. Must be a stomach. Lower life has not, spongiole as soil is to tree so is ~~chyle~~ stomach to animals. Legumin in vegetables as al-

bumen &c. in anim. Corpuscle
exhibits exosmose. Monad,
hydra. infusoria. Food not
in interior of body. Prolapsus
of rectum shows that mucous mem-
brane acts tissue in a way like
skin, External absorption.

Jeff. Clinic, Oct. 26th.
Dr. Meigs. Man, bronchial
irritation. pharyngitis. Good pulse
R Ag O, NO5 2 grns in ℥i
~~HO~~. aquae distillata, 1 a day.
John Cowand.

Mitchell, Oct. 26th
Acid Nitric, Muriatic & ~~Sulph~~ [illegible]
Pulse all right in frequency,
Soft, Sound air in inhalation
~~[illegible]~~ R Paregoric ʒi. All
Retraces to Nervous system.

Child can't talk. Wm.
McGee 18 mths. Had con-
vulsions 8 weeks ago, 4 in

a day - feeding on breast. well
day following, next day fever &
stupor. when waked paralysis.
tickle the sole, pin stirs it up.
It will recover.

R Iron (by H.) 20 grns.
3 times a day.

Man, Cough 4 mths, uvula
relaxed, Chronic bronchitis.

R Dover's powder, 32 grns
8 pills, Every night.

Dr. Gross. Strumous abscess.
In these cases there may be not
much Constitutional disturbance,
or injury to function of parts. Value
opening. Operation every 8 days.
Compress.

---

girl, 6 years of age
Sarah Jane Wild trouble on
left eye, erysipelas effect ~~at first~~, dis-
ease of bone. strumous. dead
malar bone. (4 mths.) take it
out.

Geo. Harvey - Fibroid. Tie
arteries as we proceed. Have

fan, NH_4O, brandy, (page 8.).
close~~ly ev~~ adhering to
everything: like fibrous tumor
of uterus:

~~Mitchell, Oct 24th:~~
~~Hydro-chloric, & Nitric acids.~~

Mitchell, Oct. 26th, 1861

Acid Nitric concluded —
Tonic property further noticed,
use in whooping cough, also in
typhoid fever in Intermittents
in diphtheria, Tonic & counter-
irritant use of Nitro Muriatic
acid both — how made — Expec-
torant use of the acid — Disin-
fectant use — Incompatibles
Poisonly — action ~~&~~ on skin
& clothing how detected —
Symptoms of poisoning
antidotes — Acid Oxalic
why named here — Rarely

used in practice - blunder of
apothecaries - how to avoid
contrasted with Sulphate
of Magnesia -
Acid Sulphuric - other names
Specific gravity absorbs more -
more rapidly How made
easily discolored Escharotic
or caustic power.
Brodie's liniment. - SO_3
Paste. Internal use of
acid: Aqueous & alcoholic
solutions; their uses.

Meigs: buttocks presentation
6, sacrum 4. the
hinder 3 called 1 as if back
no care to regard for case. Spot
7 th, sixth, twists about. 2 normal
present. 1. vertex, 2. buttocks.
Stercoraceous matter generally to left of
womb. Shoulder awacc-

mental present, so is hand, ~~back~~ ~~[illegible]~~ of back, — of buttocks - ~~foot~~ variations foot, & side &c, Of 108, 98 head, (head accidents, shoulder, elbow,), 2, pelvic., Cephalic = chin, & face &c, whole body twist,

---

Dickson, Oct. 28th, 1861.

Eruptive fever not as separable as one would think. Blending of ~~fevers~~ types comes from a of Causes. No accident of the case viz yellow fever when hatches down Ferguson says developes typhus when ventilated returned to yellow fever. Common catarrhal by want of ventilation into typhus. Confined air gives continued fever, sparse population (with bad air) gives periodic. We have diurnal changes in the body. In disease we have rhythm &c. Quinine by effects. rhythm, I have never seen recurrence of fulmination in sleep in malarials. Yellow fever about equal night & day. All have their crisis = culminating point of an acute disease, typhus weeks day typhoid weeks, yellow hours. Latency, inception. Not critical days but day. Malarials &c, have periods of same symptoms but ~~on~~ but we are speaking of progressive fevers. Fever never good in tendency. Hale (?) believes so, self-limiting one that will not go beyond a certain limit. Common intermittent is this & also unlimited, circular series go on & on. Goode says one of 7 years. But cut it short if possible. Some under head Exanthemata not to be interfered with

but as to the rest pitch in. Mild
cases often to be let alone. jugulate.
death. yellow fever, hemor-
rhage. Some fevers lesion of in-
testine or harm to liver.

Dr. Gross, Diuretics, 35 to 42 oz.
24 hrs. S.g. altered in
disease, odor increased Lithic acid
or NaO, $\overline{U}$. after wounds albumen,
Color changed 1. Some increase solid
Constituents 2, " " watery prop. 3.
by spe. effect on urinary organs.
1. $KO\ NO_5$; $KO\ 2CO_2$; 2.
(1,) 1. 10 to 30 grains 3 to 6 hrs. 2,,
diluent drinks (cold.). 3, colchicum
squills, digitalis, and morphine,
Colch, small & frequent dose.
Wine of seed ~~10 - 20 m~~ 13, 1 in
24 hrs, and morphine (gr 1/4. Squills
in pectoral difficulty, balsam of
Copaiba for gonorrhoea. Diur.
+ loaf sugar.
not when serious disease of urin.
organs. Depletion at first before
Remedies. Anodynes Lancet

or purgative 1st. or if case severe anodyne
first, allays muscular contraction, & pain,
~~to tr~~ induce sleep:, Salts of opium,
as astringent opium pure. 2 to 4
grns opium in severe case give big dose, 100 gttes. lauda-
num, gone. opium will not suit
some, mix (with tartar emetic or
gr. Camphor or as enema, or ender-
mically (small quantities 1/3 grn.
morphia.,). Hop tea, belladonna,
Indian hemp, Anti-phlogistic
regimen. In traumatic inflam.
~~[illegible]~~ diet, in others diet liquid,
give what patient craves in moderate
quant. if digestible. Cold water
with sub acid, not incomp. with Hg. neutral mixture,
ice, Air. (no ~~[illegible]~~ draught,
change clothes, see to skin. (
16 to 20 oz. fluid 24 hrs.). Change bed.
Cleanliness

1, Blood letting, do not bleed
in every case. (this comes before
purgatives which is No 2.
this I lost on Thursday last.)

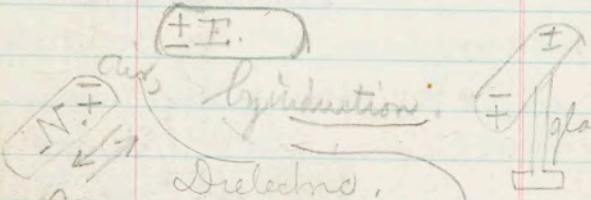
constitutional treatment ()), Saline & antimonial mixture
(MgO, SO_3, + Tartar emetic) - but morphine, aconite, - gouty, malarial, and certain other remedies.

Local treatment. 1. place part at rest in an elevated position, in an easy relaxed position, splints, II. topical bleeding, bistoury, 1. scarification, glossitis, nose, warm gargle, incision in erysipelas, 2. puncture, 3. Leech, Foreign leech, 4 sucks to 6 ʒ drachms, with what flows afterwards, Amer. leech 1/4 of this. Leech must have a clean spot. insert glass with leech in it on spot give a little blood over spot. Small beer makes them active.

Symmer's theory or Bache. Franklin's G. B.

Continent & U. S., glass is electric. cylinder & plate machines. amalgam of zinc with lard on cushion helps. prime conductor, at other end get negative electricity,

spark from hand to prime conductor, 1
from other side " from "" .



Electrics non conductors, non electrics conductors. tin foil. Leyden jar. insulated dis-charger. Coated pane, electricity exists in glass, not in tin foil, dissected jar spreaders, two foils together won't give spark. elect. battery. (Leyden jars.).

Pancoast, 3rd. turbinated district, posterior & anterior nares. meatus ~~belong~~ between these. Mg in faces. There is an interior maxillary, or incisive rarely seen dis-appears. Separate [illegible]

pterygoid process & palat
apophysis of palatine bone

Mc g 6. Two fontanelles, in child's head.
Union of sutures. post. = ~~tri~~
Δ fontanelle, ant. + larger than other. felt anth. font. near
point acct = vertex present, ~~A~~
3rd. position.

Dunglison.

Milk	Flour,	Blood.
Curd or Casein	Fibrin (Gluten)	Fibrin,
Butter,	Albumen,	Albumen,
Sugar,	Casein,	Casein,
Chloride K^d. of Sodium.	Oil,	(Globulin)
PO5 of Soda,	Sugar Starch:	Coloring matter,
Mg O.	Do	Fat,
Ca O.		Do Sugar
Iron.		

Digestion

Sm intestine 3 tms. l. of body
ram 28, man 6.

Proteins, vegetable form Al. Fib. Cas. &c. On Orinoco they eat earth, in Finland also clay. 1. Substantive, 2. adjective aliments. (condiments.). Charcoal & fat in fattening turkeys for London market, stimulate, walnut bruise nut & all, fattens rapidly; this is action of condiments. — Intestine shows man is omnivorous. He can feed entirely on one class. Diet determined by our region. Vegetarianism; principle & practice differ. Teeth show he is omnivorous. They use eggs & soups. Receipt. They live as much [illegible] as a Carnivorous Man. Non-nitrogenous I think are converted into tissue contrary to Liebig. Can receive N, from some other quarter, A, Oil in egg &c. & in all cell formation seed always non-nitrog. & nitrog.

Dickson, Oct. 29th. 1864.

Fevers, ~~int~~ idiopathic into continuous, periodical & rhythmical. Periodical into 1. intermittent. 2. remittent. Intermittent has febrile paroxysm with intermission & recurrence. Ephemeral fever in yellow fever a parasitic form. All these conditions may be separately absent. Diseases of circulatory system. Heat may be decreased but rather rule is that pulse is increased. Impulse may differ. In circulatory system no phenomenon necessarily present to make fever. How is digestion? Thirst for fluid, nausea but nothing fixed; so with respiration;

Intermittent is in a sense continuous. Fever gen brought on by sense of ~~heat~~ cold. 1/8 down thighs gen. warm. Face pale or dusky livid hue. Tongue cold in Cholera sometimes. Thirst may begin here. Gastric uneasiness at first. Cold either by paralysis or contraction of vessels. I prefer the latter. There is muscular contraction. Limpid urine, 1/4 or 1/2 hr. in intermittent cold stage. Then heat. Frequent & small in cold stage. Skin hot, sense of heat, drink, tongue clean if 1st. attack. In other stages coating, visceral disorder. Spleen generally affected and is swollen. Negro don't have spleno-hypertrophy gen. Quotidian longer than Tertian.

Dr. Gross — give a covering of sweet cream or of blood, over spot for leech, — Child 4 weeks old 1 leech, adult 25 or 30 if ur-

(no air.) [illegible] case; Scatter them, never at
focus. Never at eyelids, vulva,
(much cellular substance, and; erectile)
prepuce, Scrotum, not to face, esp.
in females, or in course of super-
ficial vessels or nervous trunks.
snuff
Not at gorge itself. Put salt or
vinegar on he will drop. Hot water
for 2 or 3 hrs. encourages flow of blood
alum, cold air
expose surface, put starch on. Or nitrate sil-
AgO, NO_5, hot
wire as last resort to stop hemorrhage.
needle & bite is Δ
Artificial leech. — 4. Cups, rubber
at top. Raise surface, then scarify
not in peritonitis unless gently drawing by the
then apply cup again, not to focus
face, chest &c.
or bony prominence. — Ulcers onychia
Raise edge with nail.
well cold. In traumatic inflam. keep
skin in cold water. If pain medicate
opium
water) Chloroform or [illegible] also
syphon of cloth.
warm water dressing; cold by
vigorous
young beat, warmed by irritable
patent lint oiled silk
persons 2-4 layers cold. If tendency
old cloth.
to pus put warm [illegible], Do not change
too suddenly. Poultice; flax-
only putting [illegible] bread & milk.
seed, slippery elm, bran [illegible]
not [illegible]
— Boil [illegible], article, boiling water,

Empty the leech of part of its blood & put it away. Cover spot with [illegible] Keep up discharge

Continue animal in glass for note [illegible] place them in wound.

4

Scald vessel first, then scald flaxseed, add water (boiling) slowly, stirring all the while, Leave no dry meal. sticky. not watery. old napkin 4 thicknesses

not to edge (1-2 in. off.) of cloth,

Spread $\frac{1}{4}$ 1/3 inch thick. medicate it,

covers surface unhealthy + some healthy

Ear &c. Over it bobinet, gauze,

+ may be, bandage.

oiled silk on top, napkin up. Change

wine whey, ~~small~~ 1 pinch

2 or 3 times. 24 hrs. arrowroot 1st.

beef tea

Cold water, then hot, — AgO, NO5,

bleed + purge! often first. stick in quill.

in Substance [illegible] 1in. on Skin 2in. wash surface,

coat with cold HO. then silver, Cautious

antiphlogistic touch. 1 or 2 in 24 hrs.

solution mild Enema — Iod. Tinct:

too strong.

contracts vessels. Dilute it (alcohol.):

sorbifacient. acts on capillaries.

compression.

Valuable + adhesive strips on ul-

sorbifacient, acts on capillaries, allays inflam.

cle, ~~[illegible]~~ all anti-phlogistic.

matches oxid nitrate of mercury.

Destructives. Knife, hot iron, NO5,

SO3, Cal. HCl, KO. Counter irritation, vesi-

use other remedies first

Cants, hot water, hot spirits of turpentine,

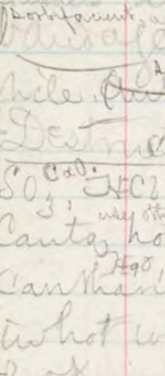
HgO, NO5

Cantharides (cover with cloth soaked in hot water), child 2 or 3 hrs.

Dry Cupping

look at N C

Bache.



Machine

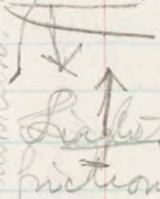
Inductor.

Elec, velocity 288,000 miles a second!

beef essence, chicken broth. got mucilage and oil out of flaxseed. There is Cold

[illegible] White [illegible] in AgO, NO5 [illegible]

elec. excitement always on surface, Quan.: Known as
amt. of elec. disturbed
amt. in proportion to surface.
intensity = attractions & repulsions exhibited. Knobs with the noise, point without noise,
Amusing experiments.
Rod. disruptive discharge ~~for~~ many points zigzag spark.



Light 192,500 miles in sec, frictional (— Pancoast).

Russian

Concito Mincone may fill up tube & hinder hearing, shut nose & blow. for lachrymal sac commencing inflam, lay instrument on floor, turn handle to left & up when the handle crosses incisor tooth of opposite side you have right opening. twisting of nose in [illegible] bent cartilage but partition. stuff nostrils. vomer comes out in syphilitic flam. SO_3

Mitchell, Panama,
D. G. 1.09. white vitriol

bandage gunshot wound all the way up.

Franklin.

albumen of skin.

Killed by experimenting

add SO_3 to condition of paste. (SO_3 paste)

½ ʒ SO_3 to 1 ℥ Lard for skin diseases, — alcoh. solution,

℥ 3½ SO_3 to 1½ pt. alcohol,
gentle heat for 3 days cinnamon; draw
aqueous solution
for 6 days, — aqueous solution

℥ 1½ SO_3 to 14½ oz water

10,-30 ♏ in cinnamon HO, vehicle a bitter (quassia); if SO_3 gripes add 1/8 grn. Morph: Sulph. Diarrhoea chronic, Cholera Morbus, add Quini: Sulph. Uterine haemorrhage, Warrens

℥ 5, SO_3

2 ℥ Spir. Turp.,

2 ℥ alcohol,

40 ♏ + sugar every hour & half hour, Braithwaite, XL,

Cholera, with infusion of Cloves good for bowels,

Inf. i cloves 6℥
SO_3 dilut. 1½℥
Laudanum 24 M } Greenhouse Mixture.

2 tablespoons 1 hr. [Colica (lead),

SO_3 lemonade.

½ ℥ to 2, SO_3 + HO q.s.
Swallowed all in 24 hrs, preventive. Itch. (Prussian.). (In 14 days!). SO_3 internal exhibition Infant, cured through nurse.

1℥ SO_3 to ℥5, HO, to 3℥ Lemon syrup
dose 1 ℈ [illegible] 1℥ 3 times a day in wine glass of HO. [illegible] and) Indomitable hiccough. man 73 yrs. administer SO_3,
Female poisoned herself with SO_3 child born in struggles, traces found in child's pleura, —
Tape worms,
1℥. ~~℥i~~ elixir of vitriol 3 teaspoonfuls in 24 days,

NO_5 on cloth gives yellow SO_3 a red spot. BaO, HCl with SO_3 gives insoluble white salt. MgO antidote.

Dunglison,

Simple arrangement of aliments.

1. Nitrogenized, { Fibrinous, (Gelatinous,
albuminous,
Caseinous,
Gelatinous;

2. Non. Nitrog, { ~~Amylaceous~~
Saccharine } Saccharine secondarily
Oleaginous,
~~Amyla~~

	Albumen	Gelatine,
C.	54,84,	50.048.
H.	7,09	6,643,
N.	15,83,	18.388
O.	21,23,	24.921,
S.	0,68,	
P.	0,33,	

Diet Scale U. S. N.

D. Whole days in the week.

1. Nitrogenized Pork 16oz Beans
or Peas 7 oz.
2. Non nitrog. Biscuit 14 oz.
pickles or Cranberries 1oz, Su-
gar 2oz Tea $\frac{1}{4}$ oz = 40 1/4 oz,

Two days in the week. Nitrog.
Beef 16 oz, Flour 8 oz, Non, "
Dried fruit 4 oz Biscuit 14 oz, Tea
& Sugar 2 1/4 oz, Pick & Cran 1 oz. Total 45 1/4 oz,

Two days in the week, Nitrog. Beef
16 oz, Cheese 2 oz. Non " ". Rice
8 oz. Butter 2 oz. Biscuit 14 oz,
Tea & Sugar 2 1/4 oz. Pick. & Cran. 1oz Total 45 1/4 oz.

Variety of food, N. B. its Excellence
of nutritious property, Salted
Meat < meat fresh, Vegetable
juices anti-scorbutic mutton
(desiccated), frying all bad.

Meigs' clinic, Oct. 30th. 1861

Probably, diphtheria is a local
affection. Girl aged 17. Consequen-
ces of disease, 2/3rds. some—
glass sherry wine. no physic.
[illegible]

Little girl, had measles last July, had rheumatism, 5 evacuations, 3 qtts, laudanum every time it has an evacuation. stop ~~action of~~ peristaltic action of fibres.

man, aged 3), laborer, sick 20 weeks, [illegible] hypochondrium, 20 lbs. in human body of blood 790, HO, Embolismus probably, Clotting of blood in vessels. If you take oil, it degenerates into fat.

Dr. Gross. Yesterday week ~~sight printing~~ Man, aged 57, baker, sight in last eye gave way instantly; insensible to light, blows a year ago. He was a police officer. Apoplexy of the eye, effusion of blood compresses Choroid coat of retina, Spontaneous. Keep both eyes at rest diet restricting, head high when lying, Bowels well purged; Bleeding good. ~~1 grs~~ Calomel, colocynth, jalap. Mercury afterward as an

sorbifacient, — Patrick — aged 30
(he has cobweb on it.) wire suture.
Don't move hand, — Julia McDer-
mott aged 27, nipple, she has
a child, great suffering,
gathered breast, Pus of phleg-
monous abscess, — ~~Bernard
Kitten 8~~ Swelling on neck,
boy 12 yrs. strumous abscess,
originates in lymphatic ganglion
open it to let out pus, warm water
dressing — emollient poultice
flaxseed 2 a day. diet restricted
Paint with Iod. Tinct. 1 Iod to
7 of alcohol. — child 2 years,
hydrocele, put astringent on,
purge, seton, or inject iodine,
paint with 1 of iod. to 6 of alcohol.

Sam. Eastburn, 68 yrs, nail in
eye, can't see. dislocated lens.
lids inflamed, ~~sore~~ itch of eye.
restrict diet, — R
Blue mass, colocynth, jalap,
20 grs āā to 1/4 grn Tar. Emet.

pills every other night, ~~Warm~~
Cool water on part, ointment
2 a day, 15 grns Acid Nit: Hg.
to 1 ℥ Simpl. Cer.

Isaac Duane age 23. gun-
shot wound on right parietal
bone, Impling on opposite edge
of tongues. had epilepsy. Paralysis
in such cases always on opposite
side, he had pneumonia. ~~no~~ Epil.
Since (Dr. Rowland.), Care in diet,
no exertion, Eat no meat.

Man, squints with both eyes,
divide internal straight muscle,
cut through Sclerotica.

Dr. Meigs, belly scaphoid,
Sebaceous follicle, ~~to~~ touch with
HgO, NO_5. Taste it see if proper
state, alterative. Extirpate some
1/3 way down symp. pub, & separa-
tion, posterior commissure at
Crown of arch, Keep air
from skin will turn into

Mucous Membrane. Nymphae
= labia interna. Platonist:
If God did not blush to create
Fine lecture.
these, we should not blush to study
them. Mitchell - Acid
Tannicum - Tannic acid -
Where found, how got, called amorphous,
why? Sensible qualities - uses in
practical medicine - Dose - an
antidote to strychnia!
Acidum Tartaricum, where found - how
obtained - properties & uses of - Poison
by - antidotes.
Aconitum Napellus - Other names
of - narcotic - proximate prin-
ciple of - effect of boiling on the
plant - Therapeutic uses of -
Modes of using - Anaesthetic
powers of - American testimony
in favor of aconite - How to
treat poisoning by aconite - 2
Extracts - Doses - Various tinc-
tures of -) by jumper in
oil, burned by 50¢. - Jan

nate of iron = ink. Tannic Acid: for uterine haemorrhage, 3 to 5 grns. 2 or 3 hrs, allays white sweats ½ grn; Diabetes (+ opium);

2 ℈ tan: acid
½ grn opium
in 24 hrs.

---

16 grns Tan: acid
2 ʒ [illegible] of kras,
ʒ m) laudanum
3 times in 24 hrs, Diarrhoea add rather Morph: Sulph. not laudanum, — [illegible]
7 L albuminous ana-sarca, ½ ʒ to 1 Tan: acid at dose, increases urine, — fissured nipple,

20 grns Tan: acid
1 ʒ Glycerine
1 ℥ Alcohol;

tooth marks Punctures

& injects acid. – Braithwaite XXXVIII,
Gonorrhoea, enema of Tannic, Braithwaite XXIII.

Prolapsus uteri. – N. A. Med Chirurg. Rev. – Nov. 1857. Bulletin generale therapeutique 1868.

Fissure of the rectum. Ointment,
1 ʒ Tann: acid.
1 ℥ Lard. 2 a day.

Oct. 31st, 1861, Dickson.

There are monthly & 6 weeks recurring fevers. quotidian has shortest apyrexia 8 A.M. – 10., tertian later in the day (11 to 3.) shorter pyrexia (9 hrs). quartans are few but true original ones. Often others degenerate into the ~~[illegible]~~. Very tenacious, & regular, may have double ~~quotidian~~ diurnal or double tertian. Latter I have seen (Andrews Lane cyclacus Somminus), duplicated tertian, triple tertian, triplicated tertian, apyrexia. Connect like times as related. Cause of intermittent (Malaria) to be discussed; Dr. Bell ignores it. I hoes first, No Is when fever Dose 2d Comes, preventive; peculiar poison of it in swamps, atmospheric poison, malaria, nature healthy has no such periods. Africa remittent, intermittent & yellow fever, Russia Sepshuman, Ottoman. There are many malarious intermittent in sparse changed into remittent by dense population, vegetation, heat & moisture will give intermittent.

Dr. Gross. Blisters with tissue paper. Caution. For 4, 5, or 6 turns Corner down, see surface, then cabbage leaf, emollient

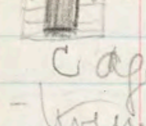
poultice, water dressing
then 2 1/2 hrs, open blisters with
bistoury. To prevent effects of can-
tharidine give morphia or
6 grs. camphor at 1/3 gr. Sulph.
Morph. [illegible] of blister, to prevent
strangury, diluents Vienna ℥ij Laudanum
— 2° Suppurative, for chronic disease.
by carrying blister further. 8 or 10
days repeated, Setons, warm water
dressing, adhesive strip. I do not
employ this foul operation. Better
by issue. by cupping or by opening Quick lime & Caustic
Potassa (~~[illegible]~~ Vienna (?) paste) and
alcohol, waste parts, with vinegar
afterwards. dry eschar, then emol-
lient poultice, — hot iron, white
heat as far as cellular tissue, Cold
water then for 2 or 3 hrs. (vesicant
dry cups for 3/4 hrs.). — Termin-
ations, Life or death. I. by
resolution. 2. mortification, ~~Sts~~
1. Slow or rapid, natural or
artificial. [illegible]. metastasis.

II. incise or puncture part. leech, blister. (8-10 hrs.).
(Dr. Physic.).

acid or phosphorus gangrene

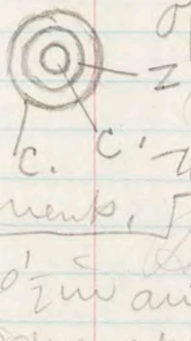
mortification, 1. by height of mor-
bid action, stagnation 2,
indirectly, malignant pustule
inoculation 3 [illegible]. Signs
pain greater, little vesicles scaling
throbbing pain, increase of color.
dryness of tongue tendency to de-
crepitation from gas. odor of moist earth.
lirium. Prophylaxis. antiphlogis-
Countenance Hippocratic
tic treatment, If mortified,
neutralize by chlorides the fetor,
soothing remedies to adjoining
parts & stimulate, never tempor-
ize in idiopathic unless line been
demarked & system good. Trauma-
tic Don't wait for line if man
good habits & strong pulse, inflam. not high,
Dachie,

Structures less organized more likely to mortify.



Common elec. = Statical
C elec. — Galvanism: Elec.
phenom. from Chemical
C agents, moist conductor betw-
een & metals must be connected
in some way by metal. C Z
with cloth wet in brine;
2 solids / chem. agents,

at C + at Z — whole wire is conjunctive wire. Stops when circuit broken when resistance = force of Chem. action. +Z only affected, generating Z conducting metal, Intensity or projectile force, quantity current set in motion. Tin paper, metal on one side, manganese on other. Galvanic circle. Opposite Z surfaces to C surfaces, Calorimotor heats platinum wire. Dr. Hare's arrangements. Pancoast.



C° in ant. post. diam. skull. Arrangement Arrangement transverse 4 front 5 parietal fossa, facial angle line from ext. aud. mea. to front then to forehead. 80° in white. Occipital angle, occipital foramen then to orbit of Eye.

12° in white, Cuvier, Superficial
area 5 times that of face (through
face). Caucasians greatest width
that in skull. Cuvier 1. Cau-
casian, 2. Mongolian, 2. Malay,
large temporal muscles in
Indians &c. Is it not connected
with early ~~eatin~~ mode of eat-
ing^{2} (D), B.W.). Nasal line
floor ~~bofo.~~ in line with
outer line. heart shaped
opening. | Mitchell.

Aconite, anodyne & sedative
in Neuralgia, Fleming ~~Dr~~ Dr. Turnbull's
1 grs to 1 ℥ alcohol, 1 drop a dose
or rubbed it externally. (Aconitine)
ointment 2 grains to 1 ℥ Adipis,
Anaesthetic. Sep. 1858 Philada
journal neuralgic remedy
Stevens ℞
1 ℥ Acon. Rad. Tinct
2 ℥ Black Snakeroot,
3 do 1 teaspoonful every 4
hrs. Cholera,

3 ʒ Acon! Tinct, } pro-
1/2 ʒ Laudanum, } phy-
1 ʒ Aloes Extract, } lac-
} tic,
dose 10 M in anticipation
15 – 20 M every hour, if cholera
under way, for Fetters

Also — Poisoning, Stomach
pump, Emetic, Give him lemon-
ade +, – Headland says animal
charcoal good, then emetic, (ZnO,SO_3
10 grms), Extracts 1, watery 2, alco-
holic, 1, 2, 3 grms of 1, 1/8 grm,
3rd, saturated tincture alcohol taken
all it can, 1/2 grm, root powder.
Mitchell rather shy of
the article, — Acu-puncture
rotate needle, galvano — " "
for chronic affections, — Adepts
Smith: — Good for itch;
Keep bowels open, Erysipelas,
Frost bites, (ground corn ..
~~Ef~~ consistency), Scarlatina.

Dropping of bowel into another.

Adulteration of medicines.

Beck pp, 250. Pay good man ~~if you have~~ good prices for it.

Dunglison - organic acids & vegetable juices necessary. Amylaceous goes into Saccharine, — 12 oz. dried food one man has he lived on for 68 years. Plenary health requires all, Esquimaux takes 20 lbs. Parry tried one 35 lbs. tallow candles.) — London book "Curiosities of Food." — training physic Running at top of speed for 1/4 hour good, + Crabb 11 weeks training. physic every 4 days. — Hungers (dyspeptic nervous) is not nervous as in vegetbls. Survivorship. The oldest one lives longest. — Cause of hunger sensation to stomach.

(Dr. Beaumont showed fistula,
Canadian. I saw him at the R S 3 at
Washington. Indigestible substances
stay longer. Not gastric juice.
It is an impulse different to
account other of wants of
system

Dickson Nov. 1

In air of Manchester there is SO_3,
Allen says all on shore sick
are on ship well at night. Is it
the decay of vegetation or superabundance? I think the latter. Malta
arid yet has intermittent small
pond, nothing but moisture.
Is there not something behind these?
Wind alters it. East more than
west shows of increase. Propagated
behind the wind. Is it solid
fluid & gaseous? It falls &
rises, It mingles readily with
air. Some say H_2S. But not
uniform. Not so. Is it
CO_2? Not fluid & solid.
Chemistry finds nothing.

Help nature in her work carefully.

Thought to be organic, Usually latent cause, Prof. Nutcliff says a fungous sporule. Hongkong fever farthest East of Bayou of Louisiana free. Thick tree between will often shut it off. One room has it, others free. Fire helps it away. Negro freest. White never acclimated, Disease dynamic, Haematic rather than Neurotic. Women + Children < men, Women generally < men, Negroes less in rice than in cotton lands. Malta quotidian, Quartan rare (never fatal), Quinine not if habitual and also its power Boldly prod. used also

Plasma is thrown out, and seals up vessels.

"Parts overwhelmed."

S. D. Gross, — acute mortification detaches by groove dead from living, bones tardy being slow; Blood coagulates at limit & adheres, no effusion of blood.

Senile (Pott's) England gangrene, in feet first generally or on ear, nose. may be in young persons.

Good feeders + liable +, pricking vesicle between toes, skin black as charcoal, cold ≡ Chronic? Dry Gangrene, relieved by dependency rather than elevation, ossification of coats of arteries, + plasma. Apt to perish. emboli. Treatment. Some recommend anti-phlogistic, Humbug! Give him stimulants, Quinia and good food. If person young flee. Never amputate. Spont. amp. wait for extensive sloughing, pain great anodyne. — Phagedenic, hospital gangrene. — 1, Separation of Serum, watery portions of blood. Some say serum without inflamm — in joints called Dropsy. Treatment Hydragogue Diuretics cathartics, Tap him if not amenable to law. If in out- extremity side puncture (beware!) or better bandage. — 2, Lymph, plasma, coagulating, animal glue. Blood liquor, vital act of secretion, lymphisation (L.). translucent, transparent, glutenous, whitish, gummy, slightly saline. may be colored. Chem. Fibrin, Albumen + serum Earthy salts, H2O. has globules, vital, very soon effused. larger than blood globules, spherical. more compd. Organisable, can make its own cells. vital fluid. Nothing can be repaired without it, If wound gapes

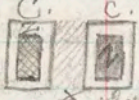
Lymph not as Hunter says Coagulable but Coagulating. Carbonate of ammonia in hiccoughs.

Globules become elongated, caudated when analogous tissues are forming.

Lymph begins at once to appear.

must heal the granulation (2nd. intention) 1st. is adhesive inflamm. by first effusion of lymph, in circumscribing pus, in stopping bleeding (surrounding clot), bullet surrounded. Baclic. Elementary galvanic arrangement, Quantity of elec. same in long battery for surfaces equal but greater projectile force, vis a tergo, Crown of cups, Cruikshanks trough.

not this is combination but the two connected by chemical agents. Hares. Earthenware troughs. fluid runs ~~cups~~ into troughs.



Pasteboard = P, Dr. Hares, Pastboard + [illegible]

deflagrator burning metals. Greatest at time of contact, forms ZnO on surface, not pure Zn, & a coating of metallic Zn. on copper, H takes O & makes HO & deposits Zn. Daniel's Constant battery. Amalgamated surface & zinc use porous cell keeps ZnO in & let H. go

Lymph - deposited amorphously flow.

through, He put ~~And S~~ blue vitriol another liquid outside porous cell in contact with C. (blue vit = CuO, SO_3). puts copper on copper. H takes O & gives HO & deposits metal C. constant, sustaining battery, sticks crystals of CuO, SO_3 in. Wollaston's theory we have been taught, Electro-motion; Volta said mere contact, De Luc's (b) columns they point to. SO_3 generating liquid, CuO, SO_3 conducting liquid. — Pancoast. long do to best, why not lift a chair by head. analogy bet. brain & spinal marrow, first formed (before brain). It is brain, spine disease bends forward, vertebral body has tuberculous matter in diploic cells and body gives (other processes are tough), lateral curvature

A — Comes from muscles. fibres of common anterior lig. hardly [illegible] more than 4 vertebrae.

yellow fibres dead elasticity.
Save extensor muscles of
back. bone fractures before
ligaments, 6 weeks life after fracture
of last dorsal. Time can
be calculated. loose ligaments
let gaseous synovia expand, go
together crack condenses, in weak
females, spinal neuralgia,
Young persons breathe by ribs
Old " " " abdominal
muscles. Meigs,
perinaeum, — Meigs says tragacumen (?), pudenda plaver fine, pudendum top
of labium 1/3rd down symphysis
pubis, end at beginning of perinaeum, thrust lancet when labium
is infused with blood, when ischio
is black, remove clots out. Ecchymosis.
Thrombus labii. oedema
labiorum tap suddenly with
sharp point of lancet. If labium

produces metallic ligature. If perineum do not do so. (tie around legs!).
If ~~labium~~ & internal labium desire to be Extirpated (ligature), if it protrudes & is inconvenient; Not knife, ("Atonic [illegible] a catastrophe.").
herpes Exedens, No cure.
urethra 1½ in. long, orifice at crown of arch. end of vestibule. never touch clitoris!

Dunglison.

Gastric juice.
Water 99.44.
Solid residue 0.56.
Ferment (Pepsin) 0.32.
Inorganic matter, 0.24.
Chlorhydric acid, 0,02,
Chloride of Potassium 0.06.
— Sodium 0,15.
— Calcium 0.006,

Real act of 1. prehension. ~~[illegible]~~ 2d mastication. 3. insalivation, 3 lbs. Man has latest & vertical row of

Phosphates of lime, iron, magnesia, 0.013.
[illegible] — chew well. Saliva changes boiled starch into dextrine.

& glucose. parotid & submax-
illary sub- & intra lingual
glands. parotid aquiparous,
the other (more) viscid:
mucciparous.
mixed fluid. Oral Digestion.
deglutition.
1. voluntary 2. involuntary.
Brunel upset him suddenly
to get bolus down. Cardiac
portion also called splenic
fibres,
portion, circular, longitudinal,
& obliques at splenic portion.
turns about in stomach (4) Ball
in stomach of horse. gastric
juice disinfectant, HCl is the
acid of juice. In others are
found lactic. But then veget-
ables are put in which devel-
ope lactic acid. Clinic

Dr. Meigs, Nov 2nd. 1891,

man complains of costiveness
2 days. May be no harm for his
powers of digestion may be strong,

and little residue. Give him Rhubarb to quiet his mind not his gut, (C.D. says.). Nothing the matter with him.

Rx) Henbane gms. XXX (~~[illegible]~~)
Syrup of gum f℥ss
Cinnamon water 6℥
Dose teaspoonful, night & A.M.

Iron by H. for hydroemia, mix with honey, Divide into pills. 1 grm. a time. at nights.) (Paris product).

Dr. Gross, Henry Mart. age 22, Lebanon County, Pa. of ankylosis of the knee joint. second. and suffering at first. lymph cellular tissue; fibro-cartilage, cartilage, bone (process of formation). limb should have been placed at certain angle that it would be useful and afterwards break up the other. Repeat this & stimulate absorbents.

Pancoast's operation. (two winters ago, 1859.), Cut down & perforate bone in many places then a jack-screw. Dr. Brainerd's of Chicago 1860. Modification of Dr. Barton of Philada. 1826. 2 This is subcutaneous.

side perpendicular incision, perforate bone, not cut as Dr. B. did a Δ in front. Pancoast recommends obliquely, Gross assents. Slight external incision. Chloroform; Stomach Empty, Clothing loose, recumbent body;— Tell him to blow, plenty of air. — Always be careful about injury to joints against αγκυλωσις, put limb in proper position, Cease (when snoring comes on) for a while with Chloroform. Used a hammer. Callous harder than bone often. Pancoast assisted.

to keep 2 ℥ Acet. Lead
down 2 ʒ opium,
inflam.

Mitchell, Asculus Hippocastanum, Horse Chestnut, Oil from the nuts — Agave Americana, American aloe Maguey, natural history — abundant in Texas, California, New Mexico. Its antiscorbutic powers, how prepared for use - Doses &c &c, Alcohol, Meaning of the term, obvious properties, never frozen, Solvent powers of - never seen in nature, how got - its relation to distillation - = Absolute alcohol, Important questions, External use - Safest use is in low fever. - Mr. Higginbottom's testimony, Poison by alcohol - adulterations of - antidotal powers of alcohol. How?

---

aloes juice 4 spoonfuls 3 tms. a day. - alcohol regulus spirit of any thing. antiseptic, resin not soluble in water but in alcohol. Alcohol separated by distillation after formed, Proof diluted, rectified pure.

Alcohol not worth anything as food. It in cold; Kane, Hayes, — Marshall, Mosely & Jackson for hot climates agst it.

Army. Man can stop drinking at once & not hurt himself. Strong assafoetida & hot soup & cayenne pepper & ZnO, SO_3 to quiet ~~nerves~~ nerves. - External use best, disguise it. - Dead drunk, put a tobacco plaster on stomach to ~~vomit~~ make man vomit. Brandy can often oppose disease, Alcohol + water, better, Brandy can't be got pure. - Cincinnatti man. Higginbottom 1857 London Lancet. refrigerant & rubefacient. In burns. Don't transfer morbid action to vital part. - Poison. tobacco plaster, cold dash, flagellation. delirium tremens. False certificate. Strychnia of whiskey. Tetanic jerks show it. antidote - Serpent bites. Cassius M. Clay.

~~Baltimore~~ Rockingham Register,
Virg. August 1857. Drunk-
ards cannot do this. (Meigs.

vestibule 1 or 3/4 in. is length of
vi: origin, pars intermedia ana-
logue of corpus spongiosum, bulb,
in, two bulbs at vestibule, com
press outside & in vagina and
on symphysis pubis when pars
intermedia is ruptured. anterior
& posterior columnae vaginae.
they lie together. Tight at opening,
inside hardly any resistance.
vagina lies on areolar tissue
mucous.

Nov. 4th. 1861,

Dickson.

No case in which you cannot
give quinia. Acts on pulse &
nervous system. Mex sequence,
you can't predict primarily. There
are proposed as specifics,
NO_5 diluted Naphthaline AS, corn meal,
unparched coffee, whisky,

stage, Livingston says Portuguese lost confidence in quinia, spider web, — humbug, = turning Clock on, Quinia in excessive (quantities) poison makes blind sometimes, & (Qn.O Epilepsy. Mode of giving, begin dose Qū, 80_3 just as sweating stage is on, give to quininism, quotidian 5 grns, 7 every 5 grns. 1/2 before 5 grns.

— Treatment, Indications three (Don't always wait for " ".) 1, palliate & relieve present symptoms, 2, prevent return of pyrexia, 3. do away with the [illegible] recurrence. 1, Laudanum at beginning of cold stage will stop it, Resistance is good, Chloroform will do, If tongue foul, give Emetic strong, (Salt & mustard.) hot bath (℞ 100°, Paralysis & contraction of vessels small cause. — If spleen bad, in cold stage give quinia, Spleen reduces. Stimulants to surface, (4) turpentine good, Ice good, Lancet — **Hot stage**, Not any interference, cold bath, quick purgative, (saline) & enema of special determination, Lancet (?) ice, (not continuous), Sympathy is the cause. Warm water, Least loss of blood, Bleed from the foot.

2. Cinchona, Nothing better, prophylactic. Will not act continuously prophylactically. Berberine, Sulphur. ~~Best as~~

Gross., lymph fluid at first Serum with it soon becomes solid & organized, acts obstructingly often in lungs, trachea, pericardium, It can be absorbed ~~At~~ Sorbifacients Counter irrit, antiphlogistic, then mercurial coats, Calomel, local slight motion NH_3, HCl, Iod. Tinct, — 3. Suppuration, Higher degree of inflam. And

Serous more likely to suppurate, tends to give lymph, so 1st. mucous membranes

ized. Serous membranes. Tendons but little pus.
formed. Degeneration of plastic mat-
ter general opinion, ~~Through~~
~~that often~~ a [illegible], lymph
May be in breach of continuity.
has white globules, pus has the same, but
lighter than blood.
more tough, more oil, Dying struc-
ture, Pus has all elements of blood
Pus is not secreted.
but the color. pus liquor is serum,
There is fat in it.
Earthy Salts, &c. Coagulable by heat,
Alcohol, NH_3, $FeCl_2$, Results pu-
trefaction, Air helps Suppuration,
Practical deduction. Some pus is
Contagious, — healthy laudable, thick
pale straw color, many globules,
Sp. gr. > water, unhealthy, fetid, —
lymphy or fibrinous, strumous,
sanious,
muco-purulent, puruloid, — Ab-
scess is ~~when~~ external, collec-
tion ~~when internal~~ superficial
or deep seated (Separation from parts
around) +
Abscesses, 1, phlegmonous. 2.
pyaemic
chronic, 3 metastatic or Cir-
cumscribed or diffused. (bad).
but
Phlegmonous, traumatic or
idiopathic Single or multiple
Symptoms, rigor, delirium

pus globules have nuclei, granulated, ... lymph globules.

skin changes to darker color, more swelling.
hectic fever, throbbing pulse, copious
sweats, gen. healthy, & Pus formed. Rapid, a-
cute, 1. ulcerative absorption)
2. limited, (Effusion of plastic matter,
no sac, but a wall. – Examine
part. There is a ~~ff~~ apex & it
will yield. If large quantity you
will have fluctuation or percuss.
You will observe at Slough (deep
seated) for instance anasarcous outside form; Oedema
softens outside, pits under pres-
sure, – Exploring needle, rotate
it.

Bache, ~~D~~

Daniel – 1,
Grove – 3,
Callan – 4½, } Primary current. Secondary or induced current.

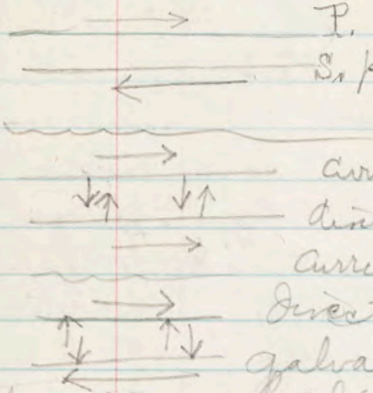
Zn + Zn + Zn + C

— Zn, gives quantity
O
S . K Zn + Cu, Zn + Cu
C + , + C gives intensity
H
+ C + C' only
Pt. Chester Pt. not in
Cu porous cell. Callan (Ireland 1)

Larger than blood globules, and a little larger than lymphatic globules.
Pus is altered lymph.

Abscess in liver goes ~~att~~ into intestine or peritoneum.

Zn. + Fe. SO_3 + ~~NO_5~~, SO_3 + NO_5. wedge, Bunsen & Carbon battery; In deflagration fire pulsates. dynamical Elec.



P. Prim. current

S. parallel wire gets induced current, 2ndary.

currents in same direction attract

currents in opposite directions repel; galvanism, contracting helix, + & − mere relative terms. ~~Zn~~ ~~+ Cu~~ + does disturb elec, but Zn + Cu − but when exciting liquid Zn acts differently Bache says difficulty here;

Pancoast; Beware of the Inte costal artery, tubercle on 1st rib between transits of subclavian vein & artery tubercle has anterior scalenus muscle. Itching at notch in manubrium from tubercles in lungs as nose itch from worms. Prominence of Ensiform Cartilage in Clerks, pressure. Subcutaneous operation for periostitis of sternum.

Virgin vagina mucous membrane, hymen (new moon), hymen not always ruptured, don't always exist. children break this ~~as it~~ in early infancy. fourchette, fossa navicularis, columns inserted 1/4 or 1/2 inch above os uteri place of womb — 1 1/4 in. this side of 4th segment of sacrum place of os uteri. don't say "falling of the womb." Uter womb slides forwards & womb, 2 oz. 2 1/4 in long, 3/4 thick, 1 1/4 in. across. pregnant 2 lbs. 12 in. long 8 in conj. diam. 40 days carries it back.

hypertrophied & retroverted womb
~~no [illegible]~~ put it in its place.

Dunglison: man has two motions in jaw
saliva will turn starch into
sugar. waste not important
of saliva, 1 1/2 M. for bolus
to go [illegible]. balls of horse
hair. Some Chewing about
the Canadian [illegible], Dr. Brun-
ton. Not fair to judge from
other animals. Some say
man secretes great deal: HCl
— Ferment pepsin, catalytic,
Some say diastase in seed
— ptyaline = saliva diastase
soluble in cold & not in hot.
By catalysis it acts. Houghton,
Leonard Association. In some
cases real pepsin might do
good. gastric acid more in
splenic than in other
parts. 1st has polygonal
tissue Other has villi.

1st, secretion, 2. absorption. Then it goes right in to system from stomach. ~~Some~~ Mucous membrane has cylindrical glands. Chem. action. Gizzard not stomach ~~[illegible]~~ only to triturate; ~~Some~~ not putrefaction.

Pancoast, Cancer in Subject (Eng. lecture) stretches down forming upper & posterior part of uterus. Generally causes stricture of bowel & death but here these have been first left.

Nov. 5th, 1861. Dickson

When are marked intermittents, use Quinia as an Anti-periodic often. There is a Sun headache, an inflammation intermittent, ~~[illegible] [illegible] (Hoth.)~~ Give Great Cathartic in Africa. Piperine & Camphor helps. Algid cases give tourniquet, 8 3.

A.S. > Cinchonia ; symptoms of arsenic
redness & itching & pale swelling
of eye & pains at pit of stomach,
10 m. Fowler's Solution, — & Cinchona
a day. — Remittent, ma-
laria. never originates a continu-
ous fever. Sometimes an epidemic
intermittent (Charleston, S.C.), Ig-
norant of relation, Solar relation

Dr. Gross — aneurism & ab-
scess (1. has always pulsation syn-
chronously with heart. — Treatment.
free incision in certain parts, pus is some-
times absorbed. 1. knife. 2. trochar. 3.
caustic. Aim to facilitate drainage.
free opening in a phlegmonous abscess.
put a tent in, (a piece of muslin
small with end out) Remove it on
warm dressing, emollient poultice. — Coun-
ter opening, tent, — 2. Chronic abscess,
cyst, matter granular, sero-sangui-
nous. generally bone necrosed, Early
in life. Evidence. Absence
of heat, discoloration, Do not be
in a hurry. Keep air out
puncture 1/2 in. above below sac. If

Plunge knife pt —, and slit up a good opening

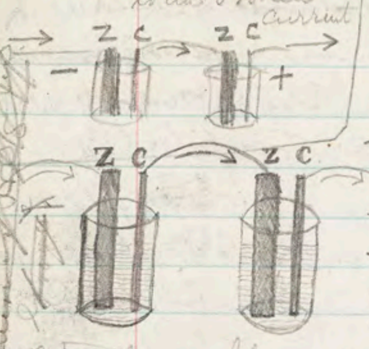
Let a lumbar abscess alone.

large leave some matter; — hectic
fever. Lay sac open freely, Emollient
dressings. But subcutaneous if pos-
sible. Attend to constitutions.
metastatic, (blood poisoning
multiple.
after severe accidents or opera-
tions, as lying in females with
Castrations, piles, fevers, lungs,
Velpeau.
liver, brain, heart, spleen,
muscles, areolar tissue, by viscera
they are circumscribed. Many other
situations diffused. Imperfect
pus, lymph devitalised. Generally su-
perficial. Mystery. Can pus
enter the blood as such? Perhaps
the pus liquor is absorbed, not the
corpuscles. Not the fact, this
poisoning; agent is the shock
+ loss of blood.
operation. Bache,
poles before. Faraday.

Electrodes.
Electrolyte; +. cathions, Anode
Cathode O. anions. pos.
neg. composed of ions, C. +
Zn. −
To electrolyze, Electrolysis

abscesses close by adhesive process not granulation.
In metastatic abscess, countenance. expression. card. typhoid.
contracted,
Chronic.
Outside of cyst smooth connected with other tissues, inside villous. Pro-

with broken current



analyte, (?), current through, (Turner 1832.),

HO, 2 bulks of H to 1 of O.

KI in solution of starch decompose the I turns with starch a blue color, — NaO, SO_3 electrolysed purple cabbage green by alkali, red by acid. Explanation, exaltation of attraction for particles beyond break connection att. orig = 4. increase 5,

Pancoast Syphilis affects superficial bones, cured by wash (~~cold~~ water on surface, Pancoast says eclipses every man & inc..itement.) fracture of scapula, breaking of tendon of biceps, Mitchell, horse chestnut good for gout,

Materia alimentaria, anything that helps respiration & assimilation. Anything found in human body uniformly after death in chemical comb, is ~~[illegible]~~ aliment — Allium. Onion, garlic. Blood medicines, pervades system; Grass bitter; Stimulant, anthelminthic, rubefacient, tonic, Expectorant, diuretic, — Good for infants, hot on pubic region to cause urination, — Mix with sugar as a remedy for worms, Some foolishly make a tincture. Old asthmatics use it, — Deafness relieved (a certain form) nervous debility Garlic in ear. — Stings of bees &c, Ammonia good. — Aloes.

Aloe Socotrina, Calabash aloes = aloes run into gourds. Summer melts it, Breaks easily, powder greenish yellow, smells terrible. Beck's book, Dr. Squibb U.S.N. (Brooklyn U.S. medical laboratory). Adulterations, ranging from .15 to .25 per ct. If bitter, good good cathartic. Any liquid does for it. Pill usual form, alkali helps consistency of pills, and soap ~~help~~ combats irritability, tonic 1/2 grn., purgative not watery stools, as epsom salts (1/2 oz.), acts only from sigmoid flexure to rectum.

℞ 10 grns or more, It does not make piles. In pregnant women never give them or to weak rectum. Give bedtime, emmenagogue No. It may by its effect above, help this. Not an anthelmintic, bitterness kills them. ℞ as an enema for A.M., & P.M. — gonorrhea, Oct, 1868 London Lancet

1/2 ℥ Tinct. aloes,
4 ℥ H_2O,
enema 4 times a day (1 ℥ at time).

Modify: Greenough add 1 to 3 grns. Extr. henbane, or 2 to 3 grns. Ipecac to the dose of aloes,

Dunglison perhaps some gastric juice is reabsorbed at

pylorie section, albuminose +
peptone, ℥ 4½ hours generally,
chyme better not be used,
in small intestine muciparous
glands, succus entericus, liver
they say 1½ – 4 pts, Pan-
creas 4 pts. Action of medicine
1/2 grn. AgO, NO_5 immensely diluted
by fluids in ulcerated
intestine. # Oil in small intes-
tine, Albuminous + saccharine
(glucose) directly in stomach
amylaceous in mouth, & Emul-
sion physical. pancreas for
oil, ~~Bl~~ Bilious should be abolished,
— Bile probably anti-septic.
4 oz. experiment. Bile taken
up again. Dog with bile
coming externally * – Turpentine
for disease in ileum same arg.
as of AgO, NO_5, Nov. 6th,

Jeff. Med. Clinic
Dr. M[illegible] — Young boy,
aged 15, [illegible] Gloucester, [illegible]
Country, When a man's pulse

cannot be felt in chills & fever
it is the fault of the contraction of
the artery Meigs thinks. 6 weeks
sick, Chill double tertian (18
hrs, Extreme..) (vaccine 3, 9, 1881). (Simile
of a mass). (Meigs brought up near
Augusta Georgia ague.). Chill A.M.
1/2 hrs, Sallow skin, Serious hypo-
chondria. No Enlargement of liver,
spleen but wrong with the alimentary
canal, Keep it away now then again
14th. day, " " " again, 7th
day, Of the next spring; then
same order. Rx

4 ℥ Port wine,
2 ℥ Fresh lemon juice,
1 ℥ ~~Honey~~
1/2 ℥ powdered red bark
S. 1 tablespoonful every 4 hrs (?)

Dr. Gross, boy 11 years. Thomas
Geo. Harvey takes opiate
cerate, boy was rolled over
by companions. Swelling

Rx Acet. Lead 1ʒ
Opii 2℈
Vinegar ½ pt.
H2O q.s. no meat,
slight purgative

Sarah Devine, young child, hypertrophied tongue, bluish venous enlargement. — Young man, Isaac (Geo.), tumor on forehead, 6½ years standing, fatty, doughy to finger, steatomatous, cut in wrinkle not to make a scar. Dr. McWhinney diagnosticated rightly, wire suture, unusual situation

Thos. Hargrave, 31, sore throat 12 mths, left tonsil enlarged, cough, trouble in swallowing, cavity in it filled with matter, generally in youth. Strumous, local Ag O NO5 at first but 4 Chery chronic operation. Cut off. Keep away from cold, and eat slops. Carpenter young man, toe nail, toe hypertrophied — Child 3 yrs. of age, Maligna onychitis, Scrofulous. Hg, 2 Cl generally remedy —

℞ KI $\frac{1}{2}$ gm.
Hg, 2Cl, gm $\frac{1}{20}$,
FeI gm $\frac{1}{15}$
J
S. 3 times a day, bowels open little meat. Chlorinated soda good.

[Geo. Headley, aged 36, 1st. of March last trouble with jaw & nose, teeth loose, necrosis, lip hard, 1851 he had Chancres, Syphilis, 3 separate Sores, Mercury not good in primary form, Prof. of Dental College extracted them, tea-spoonful of Chlorinated soda with water,

℞ KI 10 gms. Rheumatic pains,
Merc. Bichl. $\frac{1}{18}$ th. He has had too much Hg.

Merc. 280 days of [illegible] gr.
Taken, albumin[illegible]
[illegible] serious interi. [illegible]
with whites, Mute [illegible]

offensive yellowish buttermilk.

Mitchell, Alterative — Alumen chemical nature of it — various names, solvents of alum, incompatibility — chief therapeutic property — uses — alum curd & whey, Burnt alum, what, uses of, Poison & antidotes, ammonia, volatile alkali, how got, aqua ammon. & spirit of, the difference, external uses, volatile liniment, vesicant use of liquid ammonia, Internal uses of, antacids & stimulants, Liquid ammonia as a poison, its antidotes, Sal Ammoniac, what, contrasted with carbonate of ammonia —

An alterative an article used continually. — Ammonia-ammonium alum. Boiling water 1 40 grs of it, to 80 [illegible] common water, alum,

incomp. with sulfo, Ā,
gonorrhoea, flooding &c
In intermittent. painter's
colic, in inflammatory
croup, 1 teaspoonful, Uter-
ine hemorrhage, put a plug
of it into the vagina. Jan. 1868
San Francisco Herald), —
Braithwaite XXXVII, 8
9 ~~grs~~, in ℥ Ho, for oph-
thalmia of children; in
skin emphonos. — Alum
curd in sub-acute ophthal-
mia, alum whey in drop-
sy. — Burnt alum for proud
flesh. — Internally for painter's
colic. — Antidote alkali
soap, (carbonates), hartshorn,
bones of ani-
mals), — Sore throat, Flan-
nel hot & soak in strong
aqua ammonia. — Vol. lin-
alkali & oil, — Irrita-
bility of stomach, Mex-

can dollars heat it to 200° and flannel hot + strong ammon. solution dollar outside, till ~~blister~~ cuticle of them morphia on. In cancer uteri as a vaginal enema. teaspoonful of NH 3/4 hr before paroxysm of ague. Knock it off. Not in delicate constitutions. Acid antidote or oil.

Dickson Nov. 7th.

~~Sple~~ Liver more regularly prominent in bilious remittent than the spleen in intermittent. Jaundice consequent, uneasiness at stomach first, muscular " " ; not always a chill; neuralgic headache, 2 or 3 days then fever. tongue swollen, soft, rather costive. Keep morphine of double portions, 9 days of some triple portion. 1 in 50 died of Dickson's patients

Prognosis,
Look for very high pulse, nervous
pains, vomiting, inordinate
thirst, bowels freely moved
now not formerly. too much
or too little muscular strength
very great change in the [illegible]
[illegible] means brought forthward,
cholera cold, yellow fever hot.
Lesions, Spleen affected,
liver always [illegible]

Dr. S. D. Gross. Metastatic
abscess from effects of shock
and loss of blood Gross thinks,
No particular poison, the lying in
females where much hemorrhage
& long sickness. Generally fatal. Ambrose Paré 17th cent.
Treatment, symptoms [illegible], keep
very clean, syringe not sponge. place for drainage
Escharotic (NO_5, HCl), Hg
internal. quinine
2 1/2 grs 3 hrs + opium, or
" + iron (Chloride, Tinct.
or Sulph.), [illegible] or NH_3, CO_2

May be more than one abscess, hundreds (small & large.)

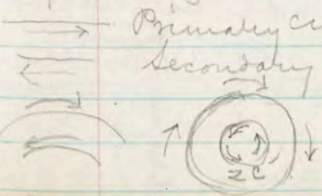
Germans use actual cautery; He says NO_5. [illegible]

Fresh airt, . Effusion of blood Not very common; Softening of affected tissue. (Results of inflammation) — Sclerosis, hardening, — Ulceration, Molecular death, tissue removed in an unappreciable manner to us, not so in mortification, preceded & followed by inflammation. Serous membrane seldom. Some parts more prone — Specific & common; generally with pain, gnawing in cartilage, worse at night, cancer lancinating, discharge, ulcer breach of continuity. Acute, & Chronic, Prof. Miller, morbid action may be x assisted, Do not regard especial character too much. Bache.

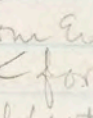
Matter Petrosis, diseased, vessels have Concretions, fibrinous,

Ruhmkorff's Induction Apparatus improved by Ritchie of Boston. Statical, dynamical induction. Chemical liquid.

Primary current,
Secondary or induced C.



wires in centre magnetised
+ react to exalt. insulated
terminals of helix. X. primary
helix in my machine 1/7 inch
100 ft. long, gutta percha (mag-
nets inside). 2ndry helix =
silk covered copper wire
1/90ths. in. diam, 100,000
ft. long, tailor coil, plate of
gutta percha bet, break piece.
back currents in opposite
directions when stoppage. spark
from ends of 2ndry helix, dist. possible
∝ force. condenser at bottom to exalt
effect by absorbing reverse current,
oiled silk + tin foil (as Leyden jars),
bring it into circuit. Bunsen's bat-
tery. zigzag spark, great in-
tensity in this machine. through
an exhausted tube. Ritchie. You
can reverse current
commutator. Mitchell,



Ammonia — Aromatic spirit
of — ℞ Spir: am ℥ pts.

Reaction + forces.

Grant Z.

Lemon juice 2 ℥ { good for quininism,
½ ℥ } - fetid spirit of
Cinnamon 3 ℥ } - Salts -
NH_3, HCl,

not volatile, - NH_3, CO_2 will go off. latter more easily procured, Incomp, all other alkalies, Refrigerant, as a gargle, for itch, - intermitting fever ~~ph~~ diuretic for old persons

gum arabic ½ ℥
water 2 4 ℥
3 grs
Sal Ammon 5 grs

— Neuralgia, cephalalgia, 4 5 grs Sal Ammoniac in 3 doses. (½ hr.). Syrup of orange peel
- neuralgia, - HCl. ½ ℥ + Camphor mixture 1 hr.
- Ammon. beer. - NH_3, CO_2, inversion hot water, - julep, 5 grs. in bolus,

℞ Ammon: Carb, 1 ʒ
White sugar + Gum arabic āā 2 ʒ
Water 5 ℥

S. 1 tablespful (in typhoid pneumonia, as stimulant + expectorant,) — Scarlatina maligna (London Lancet 1860,) Braithwaite XXXVIII. 3 to 7 grns, all acid drinks forbidden. — Emetic, great prostration, warm water, — for lumbago. — Ammon: acetas, make it neutral, — for bilious remittent, purge then this then quinine sulphas, discutient diaphoretic sedative — mumps ~~(H)~~. purge, then this on spot, Dunglison

Food taken an hour before death
Air in stomach of criminals, (H)!

	O	N	CO_2	Inflamm. gas.
From stomach	11.00	71.45,	14.00	3.55.
Small intestine	00.00	20.08,	24.39,	55.53.
Large Do. (H.S.)	00.00	51.03,	43.50	5.47.

liver has doubtful use, pancreas makes emulsion, pancreas like saliva secretion, small intestine secretes succus entericus, fetal ~~odor~~ when it comes to the caecum; vermiform is appendix (no function). fatal peritonitis from body in it. perityphlitis, enema, in animals may be some digestion in the colon, in man we think not. 4 oz^t, excrement, 1/4 oz. solid. - except fistula animata; — enema. some. syringes pass above the sigmoid flexure. air in colon relieved by passing tube into sigmoid flexure.

4 hrs before death,

	O,	N,	CO_2	Inflam. gas.
From stomach,	00.00.	00.00,	00.00.	00.00,
Small intestine,	00.00,	66.60.	25.00	8.40,
Large " "	00.00	45.96.	42.86	11.18.

Dickson, Nov. 8th, 1866

Liver. Some man say ~~that the~~ ceases to turn starch into sugar

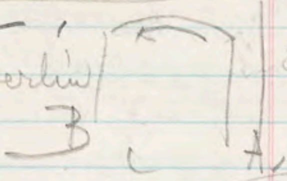
1 lb, more in remittent fever
than usual - spleen easily friable
In yellow fever " all right, "
dejection of spirits, ulceration of in-
testines, & acclimation impossible
for white race against malaria
& dark races take it less, Kroo-
man best. Likely to be extermin-
ated. One attack predisposes to
another. - Yellow fever can be
kept off from another attack,
(only acclimating fever!). No Ex-
cess or exposure. Cotton best,
Sweater garment best, (Jas.
Jackson,), Don't cure it,
Treatment, don't trust to average,
but care for the individual. No,
little, or much (eclectic) medi-
cine. Quinine & cathartics
short time no " long time some
quin. wait for remission.
Lancet of Gross. promote
granulation. - fistulae &
Sinuses. [illegible] canal to [illegible]

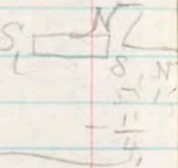
sexual organ, cavity or tube, operation, or Cleanliness & astringent lotions. Sinuss / orifice fistula 2, : granulation, Change action of part, very vascular, Scarlet, has veins & artery & absorbent nerves, modify lymph & makes lymph: healthy pus also is Effused; This may be diseased, Never wipe healthy action here, — Cicatrization, (at circumf, 1st.), bluish line, no sebaceous follicles, no sweat glands, no hairs, muscle never reproduced, fibrous connection generally, more liable to disease, in scalds contracts. Protect part, — atrophy, dried in teething; — hypertrophy.

— Chronic inflammation. No rapid action or cure, laxatives, alteratives, : — Tumors or morbid growths. Enlargement of a part from super nutrition 1 or new formation. 1, benign, 2 malignant; 1, 2 1st, ~~[illegible]~~ ~~[illegible]~~ 1, hypertrophied.

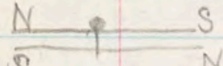
2. vascular. 3. adipose. 4. horny.
5. fibrous. 6. cartilaginous. 7. bony.
8. calcareous. 9. nerve tumor. 10. encysted. 11. hydatid (animalc.); 12. polypoid.
12. Marrow-like tumor. II.
1. scirrhus. 2. Encephaloid. 3. black Cancer. 4. gelatiniform. 5. Epithelioma. (modif. of scirrhus.). BACHE

A + B —, Seebeck of Berlin 1822





Magnetism, black oxide of iron, — Directive force, astatic needle.



fixed together equal power; for small magnetic force. (feeble N. force). Unlike powers to generalise; acts through glass, variation, dip, intensity.

Meigs, 0° where on a line from crown of arch to 4th segment of sacrum 1½ in. from other end.

Tell women ~~to~~ to counteract depressores. use levatores and & Keep mammae up by bands if necessary Keep a woman's face & body right,

---

Dunglison. There are absorbents in the colon. There is a band of muscular fibres above the sphincter ani. Ileo-Coecal not a perfect valve.

— thirst from wants of system, ~~and~~ but we feel it in the mouth, thin, soupy drinks go right ~~in~~ albumen becomes absorbable albuminose. If albumen itself in blood vessels it is greatly voided. Milk is coagulated, alcohol directly (condiment). fibres longitudinal & circular peristaltic. Gas in stomach helps peristaltic action. By mouth from interior of body & food decomposed and gives form ~~in~~ in intestines. Air may

Come from anterior vessels, May not muscular fibres of intestine contract without nerves? Heart of sturgeon for 30 hrs. when out of body. No nerves in plants (mimosa,). — Antiperistaltic action (emetics). Stercoraceous vomiting. — Da Costa. pneumo gas sympa- nerves,

---

Wallace, — Where fracture near nutrient or at nutrient foramen greater part of provisional callous having out, than in other cases. (Gross does not teach this.). acromion process $1\frac{1}{2}$ in. beyond glenoid cavity. Versed sine of " " = $\frac{1}{6}$ th in. coracoid process overhangs 1/4 in. less than acrom.

Nov. 9th, 1861 -
Jeff. Clinic, Dr. Meigs.

(It has been cold & raining about every clinic day since the term commenced. Hence the fewness of patients). — Man, coat-maker, aged 40, voice changed, 18 years he spit 1 pt. a blood, 240 C. in. in lungs about 160 in. at a time. lobe of eyelid is drawn up. auscult & percuss & measure chest on each side. chronic bronchial irritation. vapor of Iodine. Jno. Murphy, 34, bay watchman for the Amboy R.R. 2 years railway accident. blood more coagulable the more you draw. emboli might undergo fatty degeneration and then be absorbed. Lay wounded man down, head lower than body. Tubercles concretion of concrescible elements of heart thrown into pulmonary artery.

~~he spit blood.~~ Make ~~[illegible]~~

Evacuate 5 for him.) Dr. Gross,

Jno. Comfort age 10 (Bucks Co. pendulous conical tumor at umbilicus (congenital ?). colicy pains, hernia. Should have been a truss at first. omental character, Irreducible, If no operation then diet him carefully & give elastic truss, —. Child has anchylosis (strumous diathesis). Barbourine Smith 4 years old, osseous. caries knee ; with joint, synovial membrane probably gone. Repeat this next week. Limb nearly straight.

— Samuel Brown, 45 yrs. ulcer on arm, 5 years ago commenced, superficial ulcers. Venereal, —

Rx K I 10 gms. } Tertiary
Hg, Cl_2 1/10 " } Syphilis.
(NH_3, I is used). 3 times. 24 hrs.

Better not give Hg in primary or secondary. Diet well. Purge

℞ Blue mass 5 grns,
Colocynth Ext " "

Local, Acid HgO, NO_5. Keep arm ~~up~~ elevated.

Mary (Irish): mother of 5 years, Tumor at shoulder, little discoloration, & enlargement of subcutaneous veins, 12 or 13 years standing, benign, fatty, no pain, seldom on forehead or palm or sole. Sometimes ulcerate; migrate. "Don't smother me," Quick: enucleation. Capsule (condensed cellular substance.).

— Joseph Harris, ages 25, ~~4~~. ~~weeks~~, 8 days, chancre, be careful yourself for infectious. break up adhesion of foreskin; inject Acetate of Lead (1st. soap & warm water. 2.) then lint. patient: don't ~~cut~~ slit prepuce if possible.

Mitchell. Preparations of Ammonia concluded, Ammoniac gum its true value. Amylene Amylum, Starch, uses, Anes-

thetic, Anodyne, Antacids, Antagon-
ism of poisons and disease
Anthelmintics – Anthemis Nobilis
Antidotes, Anti-inflammatory,
– Antimonium – Stibium, anti-
monial, Regulus of crude antimony
Everlasting Pills, Glass of anti-
mony, Calx Antimonii, Tar-
tar emetic – other names, how made
Solubility of – Incompatibles, Crys-
tals of the best form to purchase,
Therapeutic powers of, —

Ammonii phosphate – for
Chronic rheumatism & for
Acute. Ammon. phos. 2 ʒ.
Pot. Nit. 1 ʒ.
Tartar emetic 1 grn.
Water 4 ℥.
S. tablespoonful 6 times a day.
Tinsche compd. — Benzoate
of ammonia, Gout &c. Dropsy
&c. diuretic, in Bright's dis-

acid, s. 20 gms. in sweet water 3 times a day, — Nitrate of Ammonia, Braithwaite XLIII, Increase oxygen in blood 15 gms. 3 times a day. — Ammon: hydrosulphuret, Diabetes m — s. To lessen ~~pains~~ appetite for food, Dose on to vertigo, — Ammon: valerianate, direct sedative, 4 gms. ~~of th~~ dose, but gen. fluid, Neuralgia. Under NO$_5$ sal ammoniac (Stuart), NO$_5$ + gum ammon: stimulant expectorant, — Chronic bronchitis Williams of Cork.

Gum ammon. 2 grns
Ipecacuan, 1/2 grn
Morph: muriat, 1/6 "
Carb: ammon, 2 " } pill;

— Amylum demulcent — for burns ~~&~~ or scalds. — Ice, ether &c. used as anaesthetics to keep up opium-eaters. — Anodyne relieves or removes

pain & ~~permits sleep~~ brings
on sleep. treater, ice, lancet.
Acid may act as antacids.
Arsenic & opium contrary.
- Cammomile, simple bitter
Intermittent, - Discutient,
anodyne, - flowers stewed in
vinegar will lessen pain &
swelling, - to prevent or ar-
rest suppuration in ery-
sipelas, (24 & 20 days.), —
Antimony - crude is SbS.
Mercy, ante version &
ante flexion keep full
bladder forces it back.

Dickson, Nov. 11th, 1861.
abortive, - cinchona, lancet,
palliative, lancet, cold bath,
(not often), . malaria is
accumulative, — less depletion
safe now, since 1836 has
got under control, in local
~~treat~~ bleeding, keep above

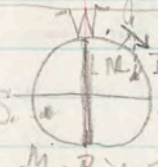
in eye reflex action. No cases fatal in breathing, or of comatose disposition. Risks in children diminution of febrile heat keep in view. ~~At~~ Emetic, antimony is hard on some (poisonous). Latent 21 (longest) seen one case. Exceptional remedies. Cathartics good. Revulsion. calomel: ~~F~~ ʒi. I prefer rhubarb salts.

Dr. Gross. 1.

1. hypertrophic. (goitre = Derbyshire neck. ~~[illegible]~~ Enlarged tonsil, bunion, prostate gland, sebaceous.) Treatment, sorbefacients at first, generally the knife, if possible. 2. Vascular, (naevus maternus.) always soft, frequent beating in it (synchronous with heart.) Tr. operation, ligature, caustic. 3. Adipose. Once saw 200 at Louisville. Gen. solitary. Treat. knife – 4. horny. (probably sebaceous, integuments ~~of~~ over hoof, rings), CaO, PO_5, albumen

& mucous nature. (from skin, lip, rarely in Extremities, Treatment, Excision; 5. Fibrous, (partic. in Uterus, are 100 lbs., tough, no indentation. a form of fibroid (recurrent) is malignant but generally non-malignant; Treatment, Knife, 6. Cartilaginous, rare (In ovary & bones (testicle?), not very vascular, Treatment, extirpation if can be reached, Likely to return, 7. Osseous, (thigh gen., or toe, skull.), may have Cartilaginous ~~de~~union, Cyst often (plastic matter) Esp. in long bones. Non-malignant. Ivory (dense). May loose its attachment, Treatment - Surgery (Not Syphilitic Nodule). 8. Calcareous. (Rare) Knife, From lymphatic Ganglions, 9. Nervous, (Painful tubercle;). In inside of nerve. When stump is got, shave off nerves Slow, painful, Treat. Knife. Tubercles, multiple gen. very painful, very Small, [illegible] Small nerves, Knife; (fibroid.) 10, Encysted may be congenital, or acquired gen; single or multiple multilocular. (ovary) Contents differ. Treatment Knife, puncture & inject, seton — 11, Hydatid, (little animal. (in liver, ovary, &c., acephalo-cyst; Cavity (false membrane) is a house for this, Little black granular bodies in these little animals, with teeth &c.) Independent life after a while, Generally short lived (12–18 mths). No diagnosis.

Bache, dif.



Elec. magnet. ~~Oer~~

Oersted, Dane, 1819.

Thermo-elect, batt little available, ~~magnet~~ effect current,

~~fc~~ Currents around the magne-tical current, iron filings (magnets). hang together not to metallic wire — holt steel bar across to become magnet. Iron-ically speaking. In one direction current then another, helps strength. helix. [illegible]

Currents in contrary directions, on opposite side of bar.

Statical — state of constrained rest. natural is in equilibrium

Amperes (?) person he is the wire from head to feet looking at it end towards his right hand wite be N. personified current. (man standing up,) 1st **Magnetic field**. Ampere's ring, Iron temp. Steel permanent, magnet & horse-shoe iron. (wrapped by conjunctive iron. **Telegraph.** can saturate with magnetizing.

Meigs. women describe Cab, CO_2; 3/4 inch tissue paper, curved free womb, tubular ~~glands~~ glands, ovary, 1 out of 15 have short belly, too small for gut. "bearing down". (4 in. from coccyx is line of womb. retroversion to this (too full bladder.)

Dunglison.

Pathological Aberrations.

Indigestion, Table.

1. Buccal. 2. Stomachal.

a. from too much acid; b. neutral. c. deficient pepsin, d. deficient movements, e. erethitic. — Phenomena of stomachal indigestion. 1. Eructation, 2. Regurgitation 3. Rumination, 4. Vomiting.

Every serous membrane a shut sac exc. in female Fallopian tubes, not a single ~~viscera~~ body inside serous memb-

to For heartburn from acid stomach NaO, 2 CO_2; Saccharine can turn into lactic acid. Heart-burn restrict to animal food. Sugar of milk turns into lactic acid. — Strong coffee helps my (Dr. D's) stomach headache, alkaline tonic, charcoal, (ginger + NaO, CO_2,). no tea or coffee (sugar in it wrong. not the articles), 1. reaction of articles, 2. action

on stomach. (Extra sec. of HCl.);
c. don't put pepsin in, give tone,
d. friction over stomach good;
Rest. Travelling helping nerves,
Diet, (animal). pneumo-
gastric nerve, e. irritation
of lining membrane. (biscuit
or cracker, (boiled milk, ~~unle~~
unleavened bread.))

Nov. 12th. 1861. Dr. Dickson,

Cathartics valuable. 1. depletion
2, revulsion. 3, depuratives.
calomel, scammony, castor oil
act on liver, (Epsom salts +
rhubarb S.H.D.). Quinia when
marked remission (A.M., after
attack,) 5 or 10 grs. Mere ex-
periment. Alkaline remedies
best $KO\,CO_2$ + Olii. Tinct.
Cantharidata Grs [illegible]
Pain down the spine, mustard
& friction local. If in-

remission in with Cinchona: - If bad symptoms, deplete or blister if inflammatory. If no place for this, in with mercury. If too much purge, astringents or opiates. Tell patient what he is taking. Energy. Salivate if necessary (alterative). Febrifuge. J.

Rp Ant. Tart. [illegible];

- Still worse, Any stimulant. — Convalescent, into intermittent, cinchona, mild cathartic, (aloes + rhubarb). Astringent, Consult habit in food.

Dr. Gross. 12. polypoid, (nose, throat, stomach, rectum & all mucous outlets prolongation). In the rectum in children, sort of a pedicle. has mucous covering & becomes granulated. In nose. 1. gelatinous. 2. fibrous (occasionally malignant). 3. vascular. In uterus 1. same as 1, 2. same. 3. —. 4. granular. In bowels usually number 3.

may drop off. Remedy, avulsion, forceps rotate, ligature, Excision (objectionable). 13. Myeloid, Soft like brain. (Ovary, liver,). I think it is Encephaloid. — Extirpation, when not inconvenient or any trouble let it alone, — prepare system, laxative 2 or 3 days before, rest of body & mind, &c. Keep near mass. be slow. Take all out, don't tie every vessel as you go, compress, sponge away all blood, bring together if no fear of 2ndary hemorrhage. Cut one end of ligature off & bring other out, compress & strips, Easy position. If much blood, milk punch, quinia, iron, If not, anti-phlogistic anodyne, dressings on till 3 or 4th. day. — Malignant.

1. liable to all persons, any time of life. 2. In all the tissues, gen. glandular, 3. peculiar deposit, soft, then hard, 4. Protein principles of blood. Soon perish, form unimportant

connections. Involve neighboring lymphatic ganglions. Nothing of this is to benign. — / Composed. 1. has basement tissue, Cells oval, rounded, caudate, Cancer juice & tendency to return. They are constitutional affections, — "malignant, unrelenting, unforgiving". —

1. Scirrhus, In old age after 40. never heals. (mammary gland, liver & uterus,). nodule or stratum, may be a number. hard, Tendency to approach surface, becomes open, ulcer, low grade of vitality (9.–18 mths.). It has everted edges, steep edges, true bottom, yellowish look, no granulation, H S by silver probe, bloody or watery discharge, nerves, little blood, No Cyst, yellowish-white Color. 2. Encephaloid. 1, At any gen. (20-50.) period of life, 2, (in mammary gland, liver, lungs, bones, brain & eye, 3, very rapid, 4. Greater bulk. Has little blood vessels, medullary cancer, break soon.

Bache, current N to S,
one needle (a magnet steel) above
~~+ belo~~ + one below in same di-
rection ~~go to~~ needles to contrary
directions. In other S. to N,
the needles change about,
1st, to **W**, 2nd, to E.

Same — opp — contrary —
(direction) (sides) (deflections) Rule
Contrary — opp — Same.

Ampere, or current face the needle to
observe N. end the N. end al-
ways turns to right hand, (lying
on face or back as ~~curve~~ needle
below or above; — Personified
Current, applies to lateral,
or side turn man. (dip needle)

Mitchell, Cups of Sulphuret
of Antimony. Semi vitrified
Oxide of Ant; Antimonial wine.
Calx = oxide. — Boil KO, 2 $\overline{T}$ —
+ SbO_3 to get Tar! Emet. In-

Compatibles, Strong or weak acids, Buy in crystals. If deliquesce not true Tart! Emet. Test. By Ammon! hydrosulph. In cerebral excitement 1/16th. grain (arterial Sedative) Nauseant, Emetic, poison, counter-irritant, rubefacient, Renals powders.

Salt petre 1ʒ.
Tart! Emet. 1 gm.
12 powders 1 every 2 hrs, add calomel or morphia if necessary. Tasteless.

1 gm. in 2℥ water, teaspoonful. — External, oil, cerate, or Burg. pitch plaster. Pustulate only in chronic not in acute. Burg. pitch spread with tartar emetic by spatula when warm. Never put where scars can appear.

Tart! Emet 1℈
Boiling Water, 8℥ filter & add
2℥ rectified spirits

2 tablespful = 1 f℥. This is for the old
antimonial wine — 10 – 30 M
diaphoretic. Croup, reduce system, cold & hot water
blood-letting
first, then Emetic. – If vomiting
too hard ~~antimon~~ wine or strong
coffee, or tannic acid. – Contra-
-stimulant, old practice, wrong,
too much. Chorea 30 grs
a day. but 2 treatment, +
Delirium tremens, Tartar
emetic, then opium, (1 gm.
then.). Milk of asafoetida
sulph: quinia to keep up
system, James Powder,
(St. O.); chloride of ant.
Escharotic. — Poison by
Tart: Emet. pumps warm
water in, promote vomiting
strong coffee, tannic acid.
Dunglison.

3. Duodenal Indigestion

Erethitic.
Diarrhoea,
Dysentery.
Tympanites.
Torpor of colon,

neutral salts often alkaline salts gestion, erethitic friction, counter irritants. Some have vomiting at pleasure.

Child. depressing diaphragm brought up by abdominal muscles.

4. Vomiting. Emetic put in blood will produce effect sooner. Emetics go into blood, Few primary ~~causes~~ of cases of liver disease, Generally has to give cathartic in ~~disease~~ of duodenal & enteric irritation, — Diarrhoea little laxative, — Dysentery, — Tympanites (air from vessels around by osmose, — Colon, want of secretion, stimulate. Weak saline solution + ~~[illegible]~~

Sulph. of Iron, (Constipation).
Pancreatine, (pepsine of pan-
creas), 1 1/2^{m} going around
in Stomach. Wallace,
bend in joint of arm (elbow)
with 2 in. inclination of edge
of humerus at elbow → 1/4 in.
twist of " " from right axis $\overset{out}{}$ =
antero-posterior diam. —
Backe, When current is changed
needles change, but when one cur-
rent goes N, another S, the needles
if on opposite sides go in same di-
rection. Nov, 13th. Clinic,
Dr. Meigs, 1 child (girl) 4 1/2 yrs.
Look at $\overset{diagnosis}{\text{alae}}$ nasi whether ex-
panded or not, - twist neck & limbs
See tongue all right, different
cries, Ear ache, Catarrh of cavity
of drum, Smell of odor,
paint mastoid portion with Cantharī-
dis collodium, (little counter irri-

hunt, (morbid snuffing.). Put a close flannel cap on head till catarrh ceases. 2. girl of Oct. 23rd. 1st case, 100 more grns. of Fe. by H, (Paris).

3, Margt. Doe, aged 16, headache since last Christmas, sensative head to touch. Neuralgia of the scalp. Motions of head hurt to her. Anaesthetize by ether. (Meigs don't use chloroform but ether & yet keeps ~~sen~~ sight. —

Rx, Quin: Sulph. grns XXX
Aquae Purae, ℥ iiiss
Syrup of Gum, ℥ss
Aromatic Sulph. acid ♏ xxx

— up to quininism (ringing of ears.) 4. John —— aged 40, weaver, snake feeble, 76 a minute, bad tongue, nothing pulmonic; cough for 4 weeks, stomach cough Rx. Plummer's pill 5 grns.

Dr. Gross, 1. young girl 8 yrs. ~~XX~~ — Tumor in ball of eye, 5 mths. standing.

encephaloid disease, in retina first, Can't cure it. – No operation, shock to system if done. Melancholy. 2, tumor under tongue, encysted, bluish color, closure of glands. Ranula either like frog belly or when large, croaky voice. Open cyst, paint with Iod: Tinct, inspissated saliva. 3. Anna Cleveland 2 years. tumor, congenital benign, serous cyst degenerated(?) on neck. Doubtful, Come to office. 4. – Wils, 6 years, dead bone.

1. Pancoast. colored woman 20 yrs. age, Delaware, cut the cornea with egg shell. Little black spots (choroid coat). varicose veins, other eye lachrymates intensely. Extirpate ball for it is useless & other eye will be hurt if ~~it this~~ is not removed. — 2. Cicatrix from

cords, cut cicatrices off, cut bottoms off, and muscles if affected, straighten neck, & put healthy skin (plastic,), then there will be no more contraction. Risk - Erysipelas. (1, Pt / like amaurosis, strong man /. Cut muscles in succession. — 2, young girl with Cicatrix, } Meigs, contractility of unused tissue. First instrument — good in the versions of the womb & prolapsus. If this will not do, use a pessary.

Mitchells - Antiperiodic, Antiphlogistic - , Apium Petroselinum, or Parsley, Common article ~~in~~ family, Diuretic Apiol, a new product of parsley seeds, how got, sensible qualities. Uses doses, - Aqua Water, blanderin prescriptions, filtered & distilled water - very ancient remedy, use of cold water, ice, hot & warm water, Blistering with boiling water, Dose?

Arbutus uva ursi, a tonic diuretic (Dart! Emet! used is to correct drunkenness by putting in liquor,), Substitute for Ergot, Archium lappa, or burdock, Argentum Silver, use of metal, oxide &c, the nitrate fitly called Lunar caustic, how lunar caustic differs from Common caustic - Uses of the nitrate, External & Internal,

Apiol said to be for sulph, Quinine! Braithwaite XLIII. Don't write aqua fortis, apt to be mistaken for fontis. — Distilled water best, — Ice good in Cholera uterine hemorrhage. - Warm bath good for colds.

Hot water in neuralgia. — Uva ursi, KO, NO_5 with help it ~~fot~~ ʒ for diuresis. Incomp with iron. — 15 gms. (infusion) to promote parturition. — Burdock decoction of — in obstinate cutaneous diseases. (old woman) tablespoonful doses. — Silver i. Some day for syphilis, Epilepsy (carrying coin to keep teeth unhurt.). Luna = Silver. — common caustic, white, deliquescent, and intense escharotic. — Solution for erysipelas $AgO-NO_5$, Higginbottom 40 gms. to ℥i aquæ. For subacute 1/4 gms. to ℥i. eye glass. — For obstinate vomiting in child birth, paint fauces with it. — In croup (20 gms. to ℥i) — for scarring & pitting in small pox (4th day of pustule).

Dickson, Nov. 14th, 1861.

Knew a man who gave Enormous Cathartics – a man of large practice, he has seen him prescribe for 115 patients a day in private practice. — In typhoid glands in testine, bilious Remittent liver. Dropsy damage also in " " , treat carefully tension from region, use Cinchona, Eliminatives, — Congestive fever, — neuromial, Palmer calls it Collapsing. This mingles itself with other forms, I saw one case cold hands (by ice) stopped vomiting, gastric fever, quotidian tertian & quartan, — nervous affection of solid tissue, else why intermittent. (Not England so general). For Sulphate of Quinia. Ether, brandy,

& turpentine good (especially for thoracic, wine glass for adult less for child t. s. ful.),

Dr. Gross. 2. Encephaloid, blood vessels of its own after a time, distinct capsule often, processes sent in, basement substance & Cancer cells round, oval or caudate especially, 1 Much albumen, 2 white & red fatty matter 3 osmazome 4 fibrin, $FeO\ PO_5$ the 3rd. being not in hard matter, In all parts of body. — Of the eye, generally in youth, testicle in young adults, ~~mammary at 30~~. Sore — inverted edges, red surface, more copious discharge (bloody often), never heals, pain slight, nerves not compressed, lymphatic involvement early, will return.

3. Epithelioma: outlets of body. (Lupus, Cancroid,) ~~See~~

Same as Scirrhus, between Mucous & Cutaneous structures, gen. after middle age; little cracks or tuberculous Excrescence, which [illegible] firm sharp lancinating pains. More localized, (period 12 – 24 mths. cells rounded, oval, Caudate, — oil globules, 4. Gelatiniform, Colloid, (ovary
albumen, casein, osmazone,
mammary gl., uterus, omentum peritoneum (most freq't.) intermuscular tissue). Often enormous. - tuberculated surface, quite resisting, same structure as others + jelly like substance (not organizable) cells laterally communicate, rapid, latent progress, little pain, little ulcerative tendency, 5, Melanoid, black cancer (same as no. 4 is) at all periods of life. Large when young, often simultaneous in many parts, (bowels, liver, pancreas, heart, (old man at Louisville). Groin, in arm, in bones, Constitutional. Same form

of ~~[illegible]~~ structures, readily
mixes with water, Chemistry has
shown it albumen, fibrin + dark cras-
samentum, Liable in cellular + adi-
pose tissue, 9-18 mths, ulcer,
never heals, pain lancinating < Scir-
rhus, Diagnosis, origin
gen, no assignable Cause, Some say
External injury, many without
Cause who are in exactly same cir-
cumstances, [Bache, Thermo
electric rectangle brass + german
silver Needle in it, current
from A to B along conj. wire. —
Thermo-electro magnetic ex-
periments. contrast of cold + heat
makes effect, ice on top, Thermo
multiplier, 1832 by Saxton, American + a
French inst. maker. Magneto-electric
Pixii, Rotation, Page of Wash" two
Keepers magnets. — If a bar al-
ready magnetised be placed across
~~a magnetic current~~ an electrical current with
N. End to right hd of person current
till saturation. — with South

pole to right magnetism will be weakened: They mutually act on each other jumping helix. put N. end down, increases both magnet & helix's contraction & put S. end down conflict & lessens the power of both,

Ruhmkorff's coil of copper helix put bundle of soft wires in helix, mutual increase. ~~Dose~~
One fellow took whole dose. — union of both powers in instruments. / Mitchell.

disease of the nostrils — $AgO NO_5$ (in 16 days at most). powder of this & orris root, snuff it up — 2 or 3 grs to ℥ of Lard, — for ascarides, injections

Arg. Nit! 15 grs,
℥i 43

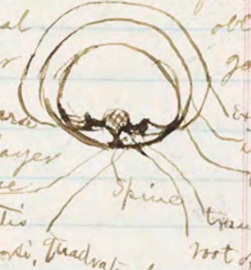
Chronic laryngitis, Green's plan, stick caustic on to rima glottidis & inside.

— for irritating cough, swollen tonsils, scrofulous, — in burns & scalds, — in fissured nipple, (stick), — fissured anus — incontinence of urine, (habit,) — Bennett's treatment of os uteri, — bleeding from extracted tooth, putting it in cavity or Arg: Nit, — for diarrhoea of typhoid fever, — bad as dye, washed for this KI, — Internal epilepsy, chorea, 1/8th grn., 2 or 3 times a day, can enlarge it & Ext, of quassia, (1 grn.). Apt to blacken skin, this is decomposed & metallic silver has been found. — Mammoth doses, 30 grns. at once, for Cholera. Cholera infantum — morbid sensibility of bowels, — Poison. Muriate of Soda antidote,

[Pancoast, Evening lecture, Nov. 14th. 1861.

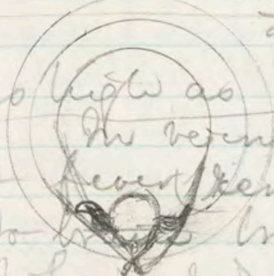
Operation on subject A to open into fatty matter back of colon to relieve from abscess, — also for making artificial anus at this point.

The transversalis divides into 3 layers of fascia, the outer one goes to the spine and is thickened by the fascia of the internal oblique. The 2nd layer goes to the root of the transverse process, the 3rd layer goes to the transverse process.


External oblique,
internal oblique.
transversalis,
transverse process.
root of " " ".
Spine
Sacro lumbalis
longissimus dorsi,
Quadratus lumborum

In the upper space formed by two layers are the erectores spinae, in the lower space formed by the two lower layers is the quadratus lumborum, – The rule to cut is. (There is no peritoneum at back of colon,) place patient on hands + knees, ~~cut at outside ed~~ make incision 1/2 way bet. crest of ilium (parallel to this) + lower ribs ~~as~~ far enough from the spine to avoid the erectores spinae. cut at outside edge of sheath of latter + at edge of quadratus lumborum, – draw colon out (cut by vertical incision through it) and bind by 6 ligatures (as sphincter write be formed by muscular fibres left ~~side of~~ loin is best.}

Dickson, Nov 15th,



Quinia strong doses as high as 30 grns.

In [illegible] irritation + fever (remittent) often to brain, starting hand to head, redness of eyes, — Cathartic at once calomel castor oil, resinous (not to get watery stools,). Tepid bath, pouring on head, — mild opiate at night.]

Dr. Gross.

Cancer cell not found in blood. Scirrhus & epithel. late in life, — and slow progress, — Cancroid small, — Epithel. cauliflower excrescences often, — Colloid obscure diagnosis, — hereditary often, again in several members of same family — Treatment, nothing in Materia Medica. In bone as tibia &c, cut limb off. Encephaloid (amputation saved arm for 7 or 8 years. if localised, — In testicle,

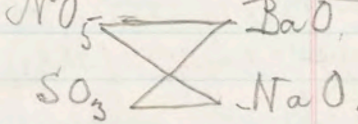
&c. tell him it will return, not operate if hereditary, if rapid progress, if not localised, if foul air perhaps.

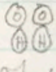
— Prepare patient, mild laxatives, body & mind at ease, (6 or 8 days); Operation. — elliptical incision, tear processes out. (enceph. often encysted), Guard agst. bleeding of part, try to unite by first intention not by granulation. If not integument enough, flap not good — often studded by tumors in second trouble, — Cut away, if localised. One woman, marriage 40, 23 operations, 53 tumors (scirrhus), One cancer 20 years, anodynes; local & internal.

Scrofula. tuberculous, strumous, (swelling glands at neck like hog's neck.), (1 out of 4 die of human race from this.). "absurdity, gentlemen to separate consumption from scrofula. (Cornells, [illegible] always see tubercles,

tuberculosis, (all ages & conditions).
20 – 40 tubercular consumption, Pott's
disease of spine in youth, so com-
mon scrofula, on neck arachnitis, – whatever
weakens system predisposes, – poor food,
dissipation, disease, confined animals,

Bache,


NO_5 BaO,
2 particles, SO_3 NaO.


of water.

15 primary forms.

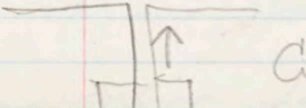
A, E, I,
1 3 2

[illegible],
infra orbital nerve

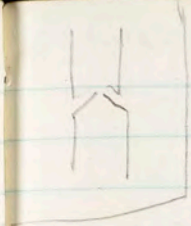
for years hyper-aesthesia,
little red devil & lead, —
(Morgan st. bet. Race & Vine, Sarah
& Elizabeth, S. side)
pessary, (for poor grape-vine
umbrella stalk split, &c,
warped. – glass silver gold
coated ball [illegible] be kept in for
years, – pulling the hair,
this may make external end

inflame & close after years,
drill & gum-wipes for Dr,
Physick's globe pessary.

Dunglison, lymphatics, 1. Serous
Coat, 2. involuntary muscular
Coat, mesenteric ganglions
some think have a fibrous coat
(every thing has this) to alveoli
to change fluid, — blood begins to be
formed in the mesentery ~~ganglion~~
Chyliferous vessels, corpuscles
in mesentery, lymph & chyle
(rudimental blood) " of Surgeon
= liquor sanguinis different,
poured into thor. duct at 3rd
lumbar vertebra & pours bet.
sub, clavian & internal
jugular (left side),



water sucked
by upper
current,
valves in [illegible]



100 mes. ganglions,
1st. ~~through~~ liver)
in stomache 2nd
as above (villi,

Wallace, ~~first~~ metacarpal of index finger
goes in towards shoulder 1/8th inch more than general metacarpal line.

Jeff. Clinic, Nov. 16th. 1861.

Dr. Meigs, young child here before, paralysis of lower Extremities, (Oct. 26th. clinic)
[illegible] Nov. 6 [illegible],

George Wilson, aged 37, sick 1½ years, nasal tone, machinist, no uvula, trouble in larynx fingers over mouth to create sound of inspiration Asthmatic.
[illegible] spits blood.

Mrs. Ward (?). 9 mths, ago confined, cough, been taking cod liver oil, 120 pulse. dilates bronchial tubes,

Rx Veratria 10 grns,

Adipis lant. ℥iii,

liniment over heart part for 15 mts, (because poison on mucous surfaces.),

---

young child 12 mths, ~~If~~ child has had summer complaint & no wrinkles on thighs, After some frost, this will pass away, [illegible] in Strawberry time is gone (when sea bass come). Teething season 10th of June & 10th of August). Colon granulates, Restraining treatment, Laudanum 1 drop after stools, G.

Dr. Gross. — Sarah Park, aged 15, (Armstrong Co, Pa, — Eye affection 8 years, light formerly offensive — Inflamed conjunctiva congestion, Eyelids adherent, — strumous ophthalmia, lachrymation, tongue joint, rapid developements, — Regular systematic]

Blue Mass, 5 grns. — 2
Comp'd. Ext. Colocynth, 3 "
aloes 2 "
Tartar Emet. 1/16 gr
Every 4th night
} purgative

4 tms. 24 hrs. Saline & anti-monial mixture + 1½ grs. Quin. Sul, + aromat. Sulph. acid + MgO, SO_3, — + 2 drops veratrum viride tinct; — + $\frac{1}{16}$ gr. morphia; — in water with sugar, —

Lotion — infusion sassafras tea (pith), 6 tms. 24 hrs; — contraction of parts, out

— Rx Ointment Nit. Mer. 10 grns,
Simple Cerate 60 " ,
pencil parts, — cover eye from light. No treat at all to eye, — wash of body salt or mustard 1 a day, feet 2 a day, thick clothing, Light diet (no coffee, — no meat for months).

Elizabeth Murphy, aged 26, unmarried, hiccoughs early in spring, ~~continuous~~ every day more severe in afternoon, fever, great tenderness of side, regular, — (hiccoughs may come from many causes, lesion of 2 diaphragm) — constipated, or indigestion state of — perhaps in intercostal muscles. —

R/ Blue mass ʒ1/2
colocynth ʒ1/2
jalap ʒ1/2

4 pills, — after this —

R/ Quin: 5 grs
Morphia 1/8 "

— (Blister over sore (+ morphia), for 6 or 8 hrs. — wilted cabbage leaf or emollient.) — ~~Must~~ Lemon juice great deal!

Very interesting. —

Wm. Bates, 18 years, — Cataract of left eye, disease of lens, — awl struck eye,

5 years, – dilate pupil by atropia
(1/8 grn. to ℥i H_2O.) no pain,
sees better in cloudy light
for pupil extended then; 1,
cutting up lens, 2. depression,
3, extraction, ~~Here~~ clean hands.
– this oper, combination of 1st.
& 2nd; [illegible] cover eyes close,
℞ dark room, light diet,
~~lie~~ with heads & shoulders
raised, to keep stomach down,
℞ Morphia 1/2 grn.
sleep for 24 hours.] young child
club foot, club foot shoe, shoe
won't do here. divide tendo A-
chilles. no anesthetic. In 3 or
4 days put them in shoes.

Conner, foot, syphilitic taint,
(here before, shoemaker.), dead
bone, continue KI +
Hg. Cl_2;

Mitchitter

Arnica Montana, other names &c, old medicine, Therapeutics of, Tincture in lieu of Spt. Camphor, — Arsenicum, points of difference between metal & oxide why called acid, Fowlers solution an arsenite, resemblance of the acid to calcined magnesia — fatal mistake — cautions about Arsenious acid, Fowlers solution & tasteless ague drops, — how made — how many grs. of acid in each fluid ounce, drachm &c, Doses of — why large dose is best, constitutional effects of the acid — origin of arsenic as a remedy, Pill form why resorted to, Use in old skin diseases, — Thwaites plan, Gutta Rosacea, Chorea &c, cholera treated with arsenious acid, External uses of the acid, Modes

Operation of – Poison by,

Arnica used in hurts to skin, – Leopard's bane, not poisonous to man but a narcotic — Arsenic not a poison, but AsO_3 is a poison –
KO, AsO_3 – Fowler's solution.
neglette Or AsO_3 > calc. mag.
F's solution,
boil in Florence flask,
Arsen. acid. 64 grms.
Water 3 or 4 ℥
KO, CO_2 64 grms,
pour out & mix with water to 16 ℥. (Spt. of Lavender (careful about this.) 1½ to 14 ℥ of
4 grms. AsO_3 in f ℥ thus. i), (8 ʒ in f℥ i), 5 drops gen. dose, but M. has given 25 or 30 drops. (60 drops = ʒ i). Up to some evident effect. Cornwall

Something works.

Anti-periodic. – leprosy Dr. Barton,
Arsenic, (scales,). Thwaite.

8 8
2 drops 2 4 days bet 2 2 Cataglytic hoematic,

Best after full meal, Headland says
but better let Stomach feel it,
Braithwaite XXXVII, & Cholera,
5 Drops Every 15 mts, No frictions
at all. – Malignant ulcer may
do but never on raw Surface,

Meigs 6 miles a day
healthy exercise for a woman.
1/2 A.M. 1/2 P.M.
Hippocrates 450 B.C.
– Sponge & opium which
no prolapsus but only hyperaesthesia, – Tell them
to walk, Never coincide
with woman's idea about
her womb, for all is lost,
pour water on one. then,

Dickson. Nov. 18th '61.
changes
Continued, 1. Diurnal, 2,

Yellow fever

no return of ~~Dan~~ Series of symptoms — If a country fever patient did not recover before yellow fever came on, the 1st gave way to the 2nd. & the patient will succumb. Blending & Conversion of types. —

1st Stadium 36 — 72 hrs.
2nd " " 24 hrs at greatest, in this stage coming yellow tinge [illegible] name. Sense of sinking, 3rd Stadium — Black vomit, Tendency to effusion of blood, Change in urine much wavers. Cadaverous hue, (5th day 3rd, 9th, death), —

BAI

May be 2nd Series, not so bad, Inflammatory type,

Dr. Gross, not always a deposit in scrofulous disease, must be a predisposition, — May be acquired. May strip a generation. deposit 1. tubercle. 2. infiltration. 3. stratum or sheet.

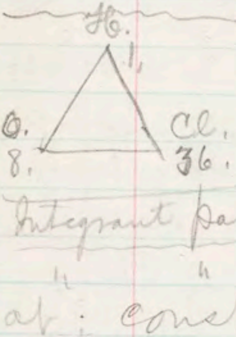
4. Encysted. Tubercle. 1. whitish
Bell's opaque, fibrous 2. yellow easily broken
down, ^ 2. in broken down Consti-
tutions, not resisting disease, Es-
sentially same, Chemically al-
bumen greatest. Fatty substance,
tubercle corpuscle, rounded or
ovoid 1/2 size pus globules, granu-
lar matter. Exudation fibrous.
It has foundation layer. Many think
it to be unorganized. I think it has a
cell power, yet feeble. These are absorbents, &c.
It is inflammatory. Degeneration often
begins at centre, then pus & absces-
ses. (6-15 mths). There is a scrofu-
lous ulcer. Edges undermined, bot-
tom unhealthy. No kind action
for a while. General health
bad, hectic fever, night sweats,
— Disease of the blood; — Pecu-
liar countenance, & disposition
1, Sanguinese, 2 phlegmatic.
of Treatment, If robust, active
circulation, good digestion,

may bleed him, but be careful, - give laxatives, purgatives, (3 or 4 grs. Calomel.) No active purgation, In 1st. Class saline + antimonial mixture + veratrum viride. Well clothed, wash well, Exercise light, Tonics come into play when system far gone, - quinia, iron, nutritious diet, alcohol, cod-liver oil. (½ to 1 ℥ 3 or 4 times a day (diet)), alkalies in certain forms, - $NaO, 2(CO_2)$ - pain met by anodynes. - To meet night sweats Elixir of vitriol (15-20 drops.), oxide of zinc. — Anti-strumous, iodine (1 Iod to 2 KI,), + quinia + iron + Mercury, — Alteratives may do - mercury. Beware of ptyalism. - On neck, leeches, iodine tinct. Sorbifacient (ointment of PbI,) stimulants - suppurants, In joint, Exsect joint, King's evil), Sam. Johnson was strumous, — 2 Syphilis.

primary secondary tertiary. 1, genital organ, 2. Cutaneous ~~Sur~~- mucous surfaces, 3. Whole body, 1. disease in groin, & on organ, (4 days comes on. 2. In six or 8 weeks. Iritis, falling of hair. 3. 18 mths, osseous, cartilaginous &c. tissues, 1 is inoculable. 2nd is not (can transmit it however to offspring.) 3rd. not transmittable, (Children however prone to scrofula.),

Bache

Combination between elements,
— " compounds,



H O N Cl.
1, 8, 14, 36,

Integrant particles compd, (
" " held together by homog.
at: constituents by Chem. affinity. — Equiv. volume
O = 1/2 H = 1 Cl = 1. N = 1,
as these are Equiva. vols.

Pancoast - Heel, Advised re-
sected in old cases of club foot,
~~¼~~ 1/6 in. deep (mortice) small.
1¼ in. in front of tubercle of os
scaphoides you find articulation
(tarso-metatarsal), In frac-
ture of end of fibula be sure to
keep end of tibia in its articu-
lation, bursal sheath of tendon
~~on outer~~ on sole of foot,

Dickson - Nov. 19th, 1861

Ship infected can infect a healthy
port. "Icarus" Br. ~~for~~ ship, Dilution
of infecting cause as homoeopathic 1/10
-ague. Boxes of goods do it
- In places that always have it, "if"
ie the ~~[illegible]~~ fever.

Dr. Gross, Chancre, In male
on foreskin. Bad form at root,
interior of urethra, — female on
vulva, nymph, occasionally at
uterus, at perinaeum, at nose, lip,

Finger, 4 – 8 days of urethra 3rd. week, Acts at once (generally)!. In 24 hrs. pimple, next day papilla, 2 – 4 day vesicle, (serous fluid), pustule, surrounding areola – fluid dries, centre sinks, breaks, parts indurated, matter drops, ulcer appears, – scooped out, Edges everted & abrupt, aplastic lymph, ichorous discharge, (hard Hunterian Chancre.), Inoculable, – 2 Classes hard & soft, 1st. single generally, (harder to inoculate, Lymphatic ganglions affected in groin bubo (X) – soft at Edge of foreskin, multiple gen. Very inoculable, One poison, – diphtheritic Chancre, phagedenic, gangrenous, – Constitutional Symptoms. Often none, apt to be confounded with herpes (superficial, laxative, light diet.), eczema (?) smaller vesicle (want of cleanliness), balanitis (?) (superficial from gonorrhoea or not) — Treatment; – if early vesicle destructives, knife, Cauterize (NO_5, HCl, acid Nitrate of Mercury, rub it in, then dry lint, bathe part with tepid water, then healthy granulation, stimulating lotion,) – If he has large sore, – then go ask inflammation as a regular one, - Keep quiet, diet him, if plethoric bleed him, purge him well, antimonial & saline mixture, + veratrum viride, - locally, elevate penis, hot cup dissolve salt in tepid water, immerse organ, (2 or 3 a day), emollient poultice or warm water dressings often + laudanum, opium, sugar of lead, - If prepuce fast syringe part (+ soap.) then poultice. Dont pull back. - at last

Tannin 2 grs
Cupri: Sulph. 1/8 gr.
Aquae ℥i.

or gentle lotion, Disregard specific poison, - If diphtheritic reduce action so in phagedenic, so in gangrenous, - If secretions altered, a mercurial purge but beware of use of Hg. [illegible] in slow hard chancre,

Calomel 2 grs. up to ptyalism,

Pancoast

Muscles begun to day. (Nov. 19th) Zygomatici laughing muscles, levator lab. sup. acts when orbicularis is tense, nerve & artery

goes above Zygomaticis.] Mitchell.
Arsenical poisoning. Poison not
to death by wall paper, (At 380°
arsenious acid is volatilised, garlicky
odors, 30 times more soluble in hot
than in cold water. - 2 grs. have
killed, ʒi has not, irritant poison. Calc. mag.
light, arsen. acid heavy. Charge
agst. dentists not sustainable as to
injurious effects. - If patient paraly-
tic, arsenic develops it; - Milk
sickness has symptoms resembling this,
- Remedies & antidotes, demul-
cents good, magnesia, charcoal,
(dissolves acid & revives metal),
tobacco, Silliman's Journal (Rio
Ralph Emerson), (antagonisms
of poisons.), hydrated peroxide
of iron,
Iron filings 4℥
heat, Aqua Regia ℥viii
add water (hot) add
pure aqua ammon. —
Iron rust does well. Emetic

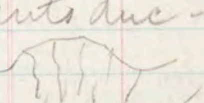
Tests, volatilise it, sugar suspected cold water dissolves it not the arsenic to any degree; Prussic acid detectable for 3-7 days, Arsenic antiseptic, indestructible. Guard remains of body under lock & key. Dunglison.

Absorption
- External,
  - Gastro-pulmonary,
  - Genito-urinary,
  - Cutaneous,
- Internal,
  - Shut sacs, (serous),
  - Interstitial.

area in the belly (Worth's)
0.018 0.02

~~Chyle~~ Chyle		Lymph
Water,	~~90.~~ ~~90~~ 90 ~~96~~ 1237	96.536,
albumenous matter,	3.516,	1.200,
Fibrinous matter.	0.370,	0.120
Animal extractive	1.565.	1.559.
Fatty matter,	3.601.	a trace.
Salts	0.70.	0.585.

Chyle will coagulate, lymph & chyle are the same in effect, vessels empty into ductus thoracicus. mesentery can elaborate,



Peyer's glands regarded as that glands now (lymphatics,), white corpuscles (chyle & lymph) infantile red corpuscles, sanguification begins at epithelial cell. If vessels depleted, quick, - ovarian dropsy, effect 18 days drank 692 ℥. discharged 1296 ℥.

Lad at Newmarket gained 30 ℥ in 1 hr. with but for glass of wine. ~~Cutaneous~~ Absorption not cutaneous (for this is difficult) but through lungs &c.

Dr. Wallace - Nov. 19th.

The head (extremity of | ~~of~~ the femur is distant 3 in. from shaft. The lesser trochanter is on the posterior & inner side. The line at end (Knee) is horizontal yet as the bone lies the inner condyle is the longer. – The bone from Angel Gabriel so called. – After regular lecture in dissecting room he said Treatment for poison from cut upon dead body. Better for it to bleed, put on Nitrate of Silver, freely, wash & suck, If pain & swelling of absorbents, put on mercurial ointment in thick layer on their course, keep arm warm, (some recommend a blister,) Give Dover's powder, Quinia (20 grs. a day.) whiskey & opiates to produce sleep. (emollient poultice to part.) Jeff. Med. Clinic,

Nov. 20th. Dr. Meigs. Blood 210 solid 790 water, ; diphtheria form of scarlet fever. nervous disorders in sensibility & enervate, Hydraemic. Rx

Iron by H. 2 grs. + honey, after meals, — another girl.

hydræmic. Rx

(Son by Hydrogen, Kind to both.) Woman, aged 22, 8 mths sick, pains in her side, chronic affection of intercostal muscles, Pleurodyne; Rx

Acon: Rad: Tinct: fort: grs iii,

R: Chloroform, ℥i,

Camphor. ℥ss.

as lotion.

Margt. Todd, here before, neuralgia of scalp, Quinia up to quininism,

Dr. Gross. — Geo. Williams, aged 9, encysted tumors extirpated,

Mr, Mal quite aged, epithelioma 2 operations. Another not to be thought of. On lower lip.

Annie King, tumor inner surface of lower lip, encysted, Gross spoke 1st, Boston 1840 Pathology) mucous follicles closed, cut it out. mucous inside.

("Keep feet quiet & brains at work".),

stitchin | George ~~Brosser~~, aged 26, 8 years tumor on top of shoulder. Superficial, hard very, pricking pains, Scirrhus of the skin. Remove it. Silver wire suture. adhesive strips.

James Mc aged 40, match maker, deaf in one ear, 18 yrs at work. 5 years ago first. This one 9 mths. lower jaw, one half jaw removed, swelling on left side, Other cases there. Phosphorus apt to assail lower jaw, teeth all gone, not salivation. openings showing dead bone, Carious, take it out.

Meigs, strictura cervicis uteri, make circles by running wax on lint twisted, carry it up only 1½ in. at most from os uteri, should be flat = not round. — so cure retroversion of womb it often suits for the woman to get on her knees with femurs erect & sternum forward on floor then viscera forward & canal & cervix open often repeated.

Mitchell.

Artemisia Santonica — Other names, alleged therapeutics of — Santonine — how got — Doses, uses — Asclepias Syriaca, Asclepias Tuberosa other names, Remedial uses, Asparagus, Asparagin, Aspidium filixmas — Remedy for tape worm, Assafoetida, old remedy, how got, effect of temperature on, odor objectionable solvents of, lac assafoetida, Remedial uses of — Atropia Belladonna, Narcotic, Redness of skin & dilated pupils from its use, Poisoning by, how treated How to judge of good — Extract of leaves, use to prevent Scarlatina; How. The facts,] Santonin anthelmintic 3 grns. to child 3 to adult. — nervous mobility of eye Stip — 8 grns — anti-periodic — milk weed as anti-periodic; — pleurisy-root — Asparagin diuretic — Turpentine preventive of odor of urine, (Franklin,). — Aspidium snake bites, — Lac assaf. for children irritability of stomach, (boil. water + assaf.). Expectorant antispasmodic in Influenza — Spasmodic Croup (squills + assaf.). — emetic ipecac. + tartar emetic.

Dickson Nov. 21st

blood + HCl — will look black but there ~~[illegible]~~ some change in regular blood no doubt. spleen unaffected, hardly above

4000 ft. Black vomit has Existed in other diseases, Not necessary death, Contagious, Hence it is. Quarantine imperfect. acclimating disease. has weight, Typhus is light. ~~A~~ heat moisture, filth only Exciting ~~ADAM~~ causes;

Dr. Gross, chancre in urethra, at orifice, ~~Here~~ peculiar, waits for weeks to appear, discharge thinner & lighter than gonorrhoea, rarely bubo although 2ndy. or 3ry. Sort of tubercle (-gonorrhoea 4th, or 5th. day) along urethra in chancre, Inject Tannin in red wine, or Cupri Sulph; If very obstinate, mercury. — Speculum to be used in female, Ablutions, Cauterize, interpose patent lint (1 in 24 hrs.) — Bubo ~~(A)~~ waits till 2nd. or 3rd. week. Lymphatic ganglions of groin. hard chancre gives bubo most certainly of the two, skin becomes discolored, febrile disturbance, parts will pit, in few days fluctuation, pointing. You can abort it often, — ulcer surface unhealthy, discharge often inoculable, Edges abrupt. may be phagedenic, may mortify. — Not all swelling bubo, — always above Pouparts ligament when specific, non-specific below, and comes on in few days, 1st, obstinate, 2nd, Easy got rid of, Treatment. Repose, thigh relaxed, paint with Iodi. Tinct or leech, purge, antimonial & saline mixture, vesicate (Hg, Cl_2), truss, — Suppuration, let out fluid, (cut with Poupart's lig.). Stimulate sore. Phagedenic, anodynes, HCl, NO_3 or Acid Hg by NO_5. Tonics, mortify. treat as usual, —

Secondary 4, ~~6~~ 8 weeks mucous & Cutaneous tissues, iritis, may occur, & swelling in neck. Not always preceded by bubo but by chancre always. hard chancre worst. Harbingers: dullness, want of activity, sleep disturbed, no appetite, rigors, high fever, (Syphilitic fever.), exanthematous, scales^{2}, vesicles^{3}, pustules^{4}, tubercle^{5}, papillae^{6}; 1st. most. 3. least frequent, 1st. little spots, healthy between, copper colored eruption, face, forehead, thigh, arm, (1-4 weeks.), 2. scales, (forehead, palms, soles,) opaque, elevated, copper colored base, 3. blisters millet seed, have sero-purulent fluid, 4. pustules, 5. split pea-small olive (nose, flexures, arms, chest, rough, copper colored base) may ulcerate, ichorous, 6. papular, not common, 1 & 2, Early 3 & 4, 5, 6, later. not inoculable; transmittable; (never marry on this). — Treatment, diet, bowels, Ant. & Sal. Nitr., tepid bath (NaCl,) medicate, Tartar emet 1/6 to 1/10 gr. forty hrs with rest. Used in certain cases, In throat, ulcer in mouth (tonsil) Excavated ulcer, mucous tubercle on tongue (white, hard, elevated, thick, anti-phlogistically, Hg; when obstinate only. — Swelling on neck, hard, 1 - 3, lymphatic ganglion, Camphor! Merc! Oint, Iod! Tinct. hair falling,

---

Bache, 65 (2?) 67 [illegible] ~~[illegible]~~ ft, [illegible], 35 ft [illegible]. Kentuckian, ~~[illegible]~~ State Kentuckian 2 from any other State, Bache says he wd be "drawing out". ~~[illegible]~~ ~~[illegible]~~) Pancoast. division at zygoma of temporal fascia Careful not to cut lower division of fascia cervicis profunda for protection to trachea, } Mitchell. Cerebral affection from it, diluted vegetable acid as a remedy for poison — as a prophylaxis, not know it or useless, try if it dilates, soften it with glycerine ~~instead~~ takes away stiffness of other, - Scarlatina preventive no doubt, Foreign testimony, 3 grs. Ext. + ℥i of Cinnamon water teaspoonfull 3 times a day up to redness of skin & dilatation of pupil, then stop for 1 day then again, Hunter John says no two different prevailing febrile Excitements Can Exist at same time - Said to check whooping cough 1/6 gr. Ext to 1/2 gr ZnO, SO_3 London Lancet Oct. 1860, - Asthma Smoking Cigarettes, dried leaves

+ Stramonium 2 tbs

Saltpetre + H_2O ℥iii.

Roll into cigars. - Incontinence of urine, as internal Braithwaite XXXVII, XXXVIII, External Rheumatism - delirium

tremens, blister half way down
spine, and belladonna on
raw side — abscess of mammary
gland, paint parts, Every 6 hrs.

℞ Laurel water ℥iv

Bellad: Ext, ʒii

— Erysipelatous inflamma-
tion, pains of hemorrhoids,
— Atropia, 1/6th. gr., each
then — hypodermically Blist,
(puncture & syringe,), asthma,
6 gtts, solution also, [illegible]
[illegible] A Stein, Clev. Journal,
— Tetanus along cervical ver-
tebrae, (Atropa, [illegible]), hy-
podermically, N. A. Med,
Chirurg. Rev. July 1860 —
Diaphoretic, rubefacient, Stimu-
lant, narcotic — Aurum
Chloride rubefacient costive,
For Hg: in Syphilis, —
Oat meal, gruel, the manner,

Emphysem lungs, surface
of lungs surface of body;
Circular fibres involuntary
can't force air out of cell lungs;
the way to detect infanticide.
foetus' lungs will sink in
water, hydrostatic test,
- static test, weight greater
now than before, &c.

Dr. Hom: some say guano
for prophylaxis; - Rattle-
snake poison, as recommended
Ed patient in '56. Stadium died.
Ferr: tinct: muriat, some say,
Veratrum viride.

Dr. Gross

Syphilitic baldness. nettle, lotions
& unguents (acid nitrate of mercury).
— Tertiary, may wait for years,
more after hard chancre, then intem-
perate, broken down, — in cutaneous &
mucous, aponeurotic, osseous, cartilagi-
nous tissues, iris, testicle, - !,
mouth, &c., horrible havoc, tongue

(Excavations) on lip, nose, larynx,
polypoid looks often, ~~[illegible]~~ iritis (dis-
placed upwards & inwards — Skin,
tubercles, Rupia (?) usually
several, (may be very large,) on
Elbow, thigh, — bones, node (tibia,
ulna, clavicle, skull, nocturnal
pains, circumscribed, soft, caries,
— necrosis, — hypertrophy, (ivory
substance for meditullium of bone,
— orchitis, hardens, fungous, ex-
crescences like comb of cock,
— may be in children (by descent,)
foul discharge, heart, — ~~dissertation~~
outburst of Gross on this sub-
ject. — diet, Ricord gave us K I.
℞ Iodid! Potass, grs viij - x,
Hydrarg, Bichlorid, gr $\frac{1}{16}$ - $\frac{1}{10}$
3 or 4 tims, 24 hrs. (Hg. may have
to be used as ointment 2 or 3 tims,);
or fumigations, (Cinnabar, ʒi,
wrap limb in oiled cloth secured
to neck, 15 mts.) a day — tepid
bath, (NO_5, HCl, $NaCl$, or gruel,

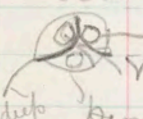
your clothes, baked (milk punch,)
tonics anodynes,

Cool off, distilled water, 60° Bathe

Pancoast, Cut for twisted neck 3/4 in. above ~~to~~ lower edge,
neck

Vessels in Meigs

Contractility from fault of Extension



Simpson's instrument in retroversion, not ulceration of epithelium to on, but raspberry like inflammation, mollusk not ulcer, AgO, NO5 / Dunglison

Tidal & residual air. (Taylor)
Childbirth in law, England.
Infanticide. Beating of arteries evidence of life decided to be. German, French, [illegible] 1816 continent.

Mitchell, Balsams, import of, Balsam of Tolu, sensible qualities of — Solvents of — Therapeutics of, Dose — Hill's balsam of honey, Syrup of Tolu, Bathing, general remarks, Benne plant, of India, Raised here, how to use the leaf, Bismuth Preparations of — Oxide, how made, Properties, Dose, Poisons, action & treatment, External use of, Valerianate, how got, doses, uses, Blood-letting, The popular objection to it, Bromine, Import of the word, where found, properties of, Uses, Doses, antidotal powers of, Bromides of potassium & iron, uses, Brucia, its relation to strychnia, uses-dose, Buchu, Diosma Crenata, nativity of, Diuretic, how to use.

Balsams must have benzoic acid now, Resins not in water, gum is soluble, Tolu safe, Bell on baths; Beberine from Demerara, antiperiodic. Beef tea, & beef essence, (℔, best beef, small fragments put in porter bottle, put in boiling water, no water in beef, 1 hr.) — white oxide of bismuth = Sub-nitrate, stomach ache 3 to 5 grs, — black faeces from O S in stomach, as tannate of iron does. — Poison Beck's book, Dr. Rogers of U. P. — paste with glycerine — for hemorrhoidal tumors. — Valerianate for pain of stomach. — Blood letting.

Rattle Snake, | (KI Aq W
Brome ʒv,
Corr. Subl, gr ii,

Dr. Meigs,) 9th St. near Wood. Lar in the house, — relieve bladder, / Mrs. McN — r of Lancaster Co. case, — "The hope of reward & the fear of punishment may urge the child to study but nothing but an ardent desire for knowledge in itself considered will act through-out a man's whole life".

Jeff. Med. clinic Nov. 2nd. Dr. Meigs, A dissertation on tape worm, Turpentine f℥ss — f℥ij, also Granatum Punica. — McCloskey, Chronic bronchitis. Cough for a year.

Rx

Tart: antimony gr ix,
60 tablespoonfuls of water, 1 at time

Gross, Woman, varicose veins & ulcers, bleeding at Ear, mouth, Looks scorbutic, — quinia 10 grs. twice a day, for 3 days then Strychnia gr $\frac{1}{6}$, Fe I + quinia gr ss 2 grs, — Blue mass + ipecac. — Syringe Ear water (Zn Cl 1 + HO. 8). Iod. Tinct. on ulcers. — Eliz. Harding, 22, black, fall, contusion at Sterno Clavicular articulation, Iod!

Tinct. Opii; bowels to be kept loose,
Some would use Rx
Plumbi acet.
Opii

Henry Hunter 19 yrs, Masturbation on back lying, emissions in dreams, no full erection, loss of memory, eye shows Congestion of retina, cold hands & feet, twitching in sleep, pains in cords, Examine urethra, diet regulated, moral restraint, lie on hard bed, never sleep after once awaked, but Exercise in open air, Cultivate society, bowels soluble, if weak, iron, nux vomica, quinia— locally, enema Acet. Lead & Opium, or Nitrate of Silver (in this case) by caustic carrier, — Irritation of cerebellum, purge him, depressants, bleed if plethoric, bladder somewhat full, touch every 2 weeks, — Jos. Justice 2 yrs, club foot,
— Wm. Hampton, aged 28 [illegible]

tulous openings near mammae
cut down & scrape periosteums

Dickson Nov. 25th. One patient
recovered through the 6 cw. of
Quiall mucous surface, intestine sloughed
away, — typhosis, scrofulosis
tuberculosis, — Pure air, abun-
dant ventilation, needed, — Pulse
frequent, uneasy, — & Rose colored,
Spots (breast &
abdomen.) not always.

Gross.,
Tertiary Syphilis of the nose intolerable
fetor, wash with Zn, Cl, — larynx
if ulcers, introduce AgO, NO_5, — bones,
nodes, give locally, Iod. Tinct. or blister.
— Int. KI & calomel (not Bichloride)
I. You want salivation
R Calomel grs iii,
Opii gr. s.
Atropia may assist.
— Testicle, infus ammoniac,
PbO. A plasters, may have
to scoop out diseased parts,
— Scrotum or anus — Children

Why have these Excrescences. – locally, Rest, Cleanliness, Separate parts – Solution of Chromic acid; Nit 5; Alum; Cupri Sulph; Tannin; – In Child, from mother, maybe primary Syphilis, generally hereditary. If so, may be aborted; Copper Colored, haggard appearance, – If fact known of Child's being Contaminated give her KI & the Mercury calomel 2 grns; (assists Child). – Child born, put to healthy mother asses milk best give KI + $HgCl_2$ $^{1/40,\ 1/50\text{th gr.}}$ Slow treatment, Syphilization, Monkey (Ourenne an Italian) inoculates at last became insensible to it, Breck, Norway; from one spot to another, from time to time, – filthy, disgusting. — Wounds. Solution of continuity of a part. Incised, Punctured, lacerated, Contused, poisoned, Gunshot – Dressing – Skin. pain, blood, retraction of edges, – Remove blood hair dirt Clean sponge, stream on it, forceps,

– Placing part, 1, position & rest, 2, suture, bandage, adhesive strip, Interrupted suture, twisted, quill (rarely used)

– Material, interrupted Cotton, wire, (Ag, Fe), flax, Silk. preferable, (there are grooved needles, not necessary.) 1–1½ lines from edge, twist it. silk (waxed) tied. interval ¼–½ in. Twisted, needle wrap thread elliptically ⊖ not figure 8. cut edges off of needle.

Bache

O̅.
S.
N.
F.
Cl.
Br.
I.
Se.
P
non, met.

As.
Cr.
V.
Mo.
W.
Bo.
~~Bi~~
met.
non met.

C.
Sb. [illegible].
Te. [illegible].
Co. [illegible].
Ti. [illegible].
Si. [illegible].
H. [illegible].
met.
non. met.

O. goes to anode.

O̅.
K.
+

Relative.

Oxygen.

with all but F.

got from KO, NO5. (at 600°,) 1 lb. of nitre 414 pints of oxygen (unknown)

86 pts, (pure), KO, ClO_5 2 +
deutoxide of manganese, (cata-
lytic play), action of presence
only, ~~heat~~ with MnO_2 leaves
Mn_2O_3. | KO, ClO_5

$KO,$ $KO, NO_3,$ $K, Cl,$
NO_5
O_2. O_6.

Scheele
Sweden

Priestley, 1774, slightly absorbed by HO. In air O 1 bulk to N 4 bulks.
Flame, gaseous matter shining.
Iron wire makes black oxide,
ozone, P in air O ozonised,
galvanism (Electrolysis,),
KI will absorb the ozonised O, not completely, for pure O is left,)

Pancoast, cervical arteries (+ artery lie together lower one is artery).
plants lie bet. super-

ficial & deep fascia (split
for the purpose,). Child's, Spasm
whooping cough, hangs on chair
Cephalic vein bet. delt. &
pect, maj. muscles, thoracica
humeralis artery by it.] Meigs,
But few cases of ulcers in
cervix uteri, Recamier
found speculum uteri. Black
inside. Candle & Caustic. —
Leucorrhoea no ulcer for epi-
thelium is on, split pea
node ligature, ~~ut~~ AgO, NO_5.
Dunglison, Respiration,
creations of vacuum in chest
abdominal Superior & inferior costal
(child,) (woman,) (man,).
100 cub. in. as residual.
20 " " " tidal air.
110 " " " Complemental "
100 " " " reserve air.
230 cub. in. forced out
vital capacity. Spirometer.
Dr. Hutchinson's tables.

Height Observation

		cub. in.
5 ft.	0 in	174
5 ft.	1 "	177
"	2 "	~~187~~ 189
"	3 "	193
"	4 "	209
"	5 "	~~214~~ 214
"	6 "	222
"	7 "	23
"	8 "	237
"	9 "	
"	10 "	
"	11 "	
6	ft. "	259.

5"9, 1906 238, (1st. stage of pulm. consump.)
6"8. 104, 230 "
5"8 150 230 "
5"3 110 190 (General debility)
5"3 110 190 (pneumonia.)
5 ~~ft~~

5"9 to 5"10, 246
5"10 to 5"11 247
5"11 to 6" 259,

8 cub. in. for 1 in. height

174
177
189
193
201
214
219
228
23

246
247
259

5 to 6 ft

Dickson! Nov. 26 ...
ammoniacal vapor
Seems to be
absorbing
(Black...)

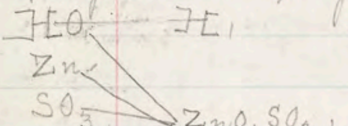
Rev Mr. Tennent N. J. lost his memory, in a month recovered it.

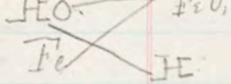
Dr. Gross.

Ligature reef knot. (^{2}pliers (^{1}needle,) needles in for 2 or 3 days. silk longer. — To extract forceps & scissors. Needle remove way opposite to introduction, & leave ligatures. — Glovers' suture, carrying needle from side to side, quill suture, double ligature (lacerated perineum,), — Adhesive plaster, ℞ Resin 1, Soap [illegible] Litharge plaster 6 Turpentine [illegible]. cut it longitudinally. Remove hair, dry surface, make edges even, rest even. Don't close wound entirely. May stay for weeks but general rule is 2½ days, Remove it on one edge then other then middle, — Court plaster, silk, isinglass, sponge moist with hot water. Liston. But not better. — Collodion gun cotton + ether sulph. camel hair pencil, Maynard Boston, — Sol. of caoutchouc. — Bandage & Compress, circular & reversed turns, — Position, Easy, Elevated, relaxed, look to muscles. — Cold water, tepid, — Emollient poultices, — How do they heal? 1, Immediate union, 2, Scabbing 3, 1st intention granulation, mode of 2nd intention according to British Surgeons (Paget) McCartney, Ireland. — Not so, only difference in action, not kind, must be inflammation. — Sub-cutaneous wounds.

Bache. Hydrogen

Source HO, 100 c. i. weighs 2.11 sp. gr. 0.0694 gr.





1776, Cavendish, O —

Exp. 1.1024 Calc. 1.1111.

Self-regulating machine for H. spongy platinum by current of cold H. (German).

Pancoast. Internal abdom. ring line from Symphysis to anterior sup. Spinous process 1 from latter on line on Poupart's ligament. — Inguinal canal, 1½ in. long post. bound. transversalis fascia. lower boundary groove in Poupart's ligament, anterior boundary aponeurotic

expansion of external oblique,
coverings of hernia, infundibular
fascia, intercolumnar, cremaster
muscle, (tunica vaginalis) super-
ficial & deep fascia, oblique
— direct, only through outer
ring, ~~[illegible]~~ linea alba, tendon of
internal oblique splits
into two, — ~~ceases~~ linea
transverse rib + in lower
animals, — splitting in ~~tendon~~ obl,
ceases near umbilicus, — artery epi-
gastric, — stricture at neck
of ring, (transver. fascia,)
Beware, 16, Mitchell

tendon ext. obl,
" int. "
rectus
or,
tendon int.
" transv.

Balsam of Tolu, ℞
" " " ℥i,
Brandy Oj.

Bromine — Antidote for Rat-
tlesnake, — (last lecture), then
Lugol's solution, — K Br,
for goitre, ointment,
K Br 34 gr, " tincture
Iodinis ℥i,

Uterine hemorrhage, | Brucia,
Gum Guaiacum | Paralysis
K, Br, — | Brucia sulph,
Fe, Br, Scrofula, | Buchu, re-
sembles Senna in look, smell
them, Tonic diuretic, R ℥ii
to Oi boiling water. — Compd.
Syrup (Infusion, Cubebs, Sugar,) old
ladies. old gentlemen. —
Cactus O-pa, Texas, Asst.
Surgeon [illegible] land [illegible]
— Cadmium, Sulphate of
efflorescence, Inflammation of cornea,
otorrhea, R
CdO, SO_3 ℈ii,
Rose water q.s. —
— CdO, NO_5, & CdO, SO_3 cathartic.
Cajeput oil, — Cholera in
Bengal, as anthelmintic among
doctors, False theory. Rube-
facient. Chronic rheumatism,
headache,) — ~~Columbo nat-~~
~~uralis,~~ Columbo. Yellow, bitter,
tonic, no insect marks, aroma,

Compound infusion Rx
Ginger
Columb,
Calc. Magn. } Tonic powder,
Rx

Columb,
Rust of iron, (Ferri Carb.),
Ginger, ʒj āā, divide in duodecim partes, — Every 2-4 hrs,

Calx. — CaO, cure burns
by oil or acids (No water.), — Ointment in itching of cutaneous
surfaces Rx Laudanum
Saccharated CaO,
Same, substitute oil,
for lime water
20 drops. 3 times. day.

Lime water, Rx
Stopper it. — Dy Quicklime ½ lb.
spepsia, dont perfect Water Ovj.
milk covers taste āā. for
uric acid, Black wash;
Yellow wash (ulcers & other skin
diseases) Calomel,
Corr. Subl.

Test, — Lime liniment, for burns & scalds. Prepared chalk

Diaphragm,

I	II	III.
Inspiratory Phenomena,	Expiratory Ph,	Mixed Ph
1, Yawning,	1 Coughing,	1. Sighing,
2, Hiccough,	2, Spitting.	2. Moaning,
3, Smelling,	3. Blowing the nose,	3. Sobbing,
4, Snoring,	4. Sneezing	4. Laughing,
	5, Voice,	5. Crying,
		6. Panting,

Respiratory periods of seconds,
Inspiration 1½,
Expiration ½,
Repose 2,
4 seconds,

Dr. James Jackson of Boston; Hold breath in hiccough.

Attorney General Wirt. Electro-magnetism. "Laughing, Crying, Lying."

Jeff. Med. Clinic

Dr. Meigs. Nov. 27th.

Margaret Todd, Neuralgia of the Scalp. (Seen before.)

Nov. 20th (Nov. 13th + Cases of severe neuralgia (rotten teeth may do it.). Continue quin: sulph:

Girl, aged 15, 1 year ago Convulsions, (Ear bored, (Excitement of mind), fits continued yet. Treatment, Seton on back of neck, extraction of 2 bad teeth, Castor oil, Carb. Iron, Epilepsy! Senna leaves As a mild Cathartic. Well fed! Dr. Gross.

Charles Langham, young child, tumor in axilla, Congenital. Encysted, Soft, fluctuating (no pain), Exploring needle, serous fluid, freely laid open, Iod. Tinct. ℥i to ℥iv. alcohol. Maybe consequent Convulsions,

Jos. Gallagher, aged 7 yrs. Wilmington Delaware, anchylosis (fracture of joint 1st.) passive motion, Soften liniments hot + cold water. be careful about re-fracture, (Dr. White.), callus in front of articulation, again in 2 days, 1, 1/2.

look at case. – C.L.O., Ext. opium – purgatives milk.

Boy, 15, tumor 8 years standing, Re low forehead, rarely fatty one here, or serous. Encysted Sebaceous tumor (difficult operation.), twisted Suture,

James Watson, aged 50, Tumor right pt. of scrotum, highly Elastic, fluctuates, 4 mths. (Sexton of Young Men's Central home mission.), Spermatic cord sound, non-malignant, hydrocele. Open, serous fluid, Tinct. Iod + alcohol āā. (served in British army) albuminous fluid,

Mr. Coon, 13 weeks ago cog wheel, (St. Joseph's ~~Hospital~~ once under Gross.). take thumb off at trapezius, good humored man under chloroform, develops temper,

Mitchell,

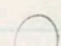
Creta Ppt, Doses - danger of accumulating in the bowels - Caution Chalk julep, how made - uses - Chloride of lime; what?, how made, Bleaching salt, purity of tested, Disinfecting power, uses of - in con

yotting morbid poisons — External uses,
Internal use, CaO, HCl, SO_3, PO_5,
Churchill's panacea, CaI, Cambogia
Gamboges, source of, properties —,
uses — Camphor, where found, what
it is, crude & refined, sensible
qualities of, solvent of, Aqua Cam-
phorata, how made uses of,)

℞ Cret: ppt, (℥ diarrhoea,
White Sugar, Chloride of Lime
Gum Arab: pulv,) — Faraday,
Cinnamon water) London Lancet
— Small pox, cholera, — Clean-
ser, for cutaneous diseases.

℞ ℥ss to qt. of H_2O, — In
low fevers internally. ℞ (Typhoid)
20 grs. to ℥ii Calomel, 4 ℥ water
4 ℥ syrup. (Enema). — Cam-
boge with Calomel.) Camphor
Concrete volatile oil, — Crude
camphor add quick
lime & sublime) for pure.
add few drops of alcohol to bruise
camphor to powder.

Dr. Gross. Nov. 29th. 1861. Don't encircle limb. Commence at toes for deep wound of inferior extremity to constrict parts, Collodion when part has to be much moved. — Incised wound, 1. retracted Edges. 2. ~~th~~ Effusion of blood. 3. pain, — artery Saltatory Scarlet vein continuous dark. — Treatment, arrest bleeding ligate both ends if large ~~of~~ artery, vein don't ligate, approximate & retain Edges, — foreign substances — suture &c. — If deep, compresses & bandage, position, — Diet, bowels soluble, — Erysipelas, relax dressings, warm water dressings opium, PbO; A. Watch it well, — lacerated wound, torn apart, cog wheels, carriage, bites, not much pain, prone to suppurate, followed by tetanus, very little hemorrhage, — 1st. drawn after shock ~~ex~~ immediately ~~&~~ coagulate, 2nd. not so soon, then syncope, " immediately. no union by 1st intention, Severe nervous symptoms, tetanus, (Draughts of cold air,), phlebitis, Erysipelas, pyaemia. — Treatment, Union the parts; tie all important vessels, don't draw parts as closely as no. 1. Intervals needed. water dressings, anodynes, nutritious diet, – poultice if suppuration, — Contused, black eye, bowels, secretions attended to, Cold water dressings, – suppuration, warm water, poultice. rarely 1st. attention, = Punctured, dirk, (tack, &c. dangerous, (cont. & incision),) Erysipelas, pyaemia, diffusive abscess, Remove foreign substance, Enlarge incision if necessary, General principles, Goulard's (?) Extract, Diet. – needle. | Bache,

O H O = 100
Wt. 8 1, H = 12½
Vol. 0.5, 1 
H = 1
Cavendish & Watt O = 8.
HO = water, Callan Maynooth.
Berzelius, Thompson, ~~Thenard~~
Thenard. Water 1 pt Steam
1700, | Meigs Nov. 29th,
A most ~~beautiful~~ instruction lecture,

by stones & anecdotes, Sugar
Alley. ~~Wato~~ Sea Shore. Polypus
uterus bleeding, no pain, great
paleness. [illegible] : $20,
16 years after. 1774 1800
in dermal membrane, O / B. CO_2
(Valentine.), C 13 ℨ (Brumpas
apnoea, (asphyxia), can be
Pulmonary
artery contains venous blood
the veins " arterial " "
– Child [illegible] live 1/2 hr. after
birth without breathing, rab-
bits, pups,
Jeff. Clinic
Nov. 30th. 1861. Dr. Meigs,
Woman, 36, Cough for 2 years. Not
Consumption. pt. 2 2 1/2 C. ii, Em-
bolus. Prevent fainting. Rx
F. E. by H.
Ol. Morh!
Young man, (Harper's
Ferry.), vagabond
pneumonia probably. Rx
Arg't. Nit. 3 grs
Ol. Morh. throat.

Dr. Gross, Case 2 wks. ago Operation for cataract, no meat, morphia, cathartic pills. — Henry Marks, 22, anchylosis, 4 wk. ago, passive motion now. Soap & water & soap liniment, 13 days bowels closed. Generally right only for 3-5 days. — Jas. Mackie 9 mths, old, — Swelling on parietal bone, fluctuation, prominence of bone. Exploring needle, Bloody tumor. contusion wound, falls Rx

Muriate of Ammon ℥ii

Water: Oi,

f - Common Vinegar ℥ii

Oiled Silk

Daniel 18 mths & another Child — inflammation of eyes, purulent ophthalmia, ~~Rx~~ well purged, — with Cream, Rx

Tart. Emet gr 1/20.

Morphine " ",

Verat. Vir. ♏i.

Castor oil every other A.M.

young one ℞ Calomel gr i
Rhubarb gr iij
Dover's powder gr i a. every other Hour.
once a day.

In 4 days quinia (Strumous) gr i
3 times, 2 phos, Tart: Emet, Morphine.)

Catherine Irvine, aged 25, tumor in axilla, 4 years duration, sharp pains. non malignant, pulsation, Exploring needle. Strumous, lymphatic ganglions. She is nursing, defer for a time, Tod: Iodid. ℞
Potass. Chlorid. liquid. or
Iodine 6 10/3 days 10 6 drops.
Pott. Iod.

Wm. Hampden, aged 9, flattened chest. breathes with difficulty, head back, snores & sweats. (mouth on line with larynx, varieties appearance behind. tonsil ~~other~~ swollen shuts cavity & muscles have done all this. Not use tonsilotome: bistoury remove a piece. Cut tonsil off. great resistance. (scraps body in cylinder & few white of

Chloroform better,) — Necrosis of humerus.] Mitchell.

Camphor Prescriptions ℞ Camph. ℥ij, Alcohol gtts xL, Calc. Mag. ʒiv, Aqua Oij } Aqua Camphorata. Rub solids together & then the water, dose ℥i for adult. — ℞ Aqua Camphorat. ℥ij, Tinct. Opii Camphor ℥ss, Ether Sulph. ʒss, Alum. Sulph. ʒss, Sacchar. alb. ℥ij, Mix. dose a tablespoonful after each evacuation — Sometimes we add ʒj of Tinct. Pip. Cayenne to each dose. This is Surgeon Sharp's mixture, — External uses of Camphor — Its poisonous action, Treatment, Cannabis Indica, other names, ancient remedy, , Therapeutics — Remedial uses, Cantharides, Blistering flies — Foreign & native kinds, sources & how to keep good, Therapeutics of, Expedients for external use, Cantharidin, Pad — plaster &c Cantharides Plaster, Heating

plaster, Fly ointment. How long should
a blister & plaster be kept on,
how to prevent & cure,) Camphor
Strangury, what?
Gross as Expectorant. Mixed & u
as pectoral antiperiodic, — Sharps
for diarrhoea & cholera, for
Chorea, — Chronic Testicle Enlarge-
ment — Hg. Ointment & Cam-
phor, — Camphor & Starch, —
Camphor for chronic rheumatism.
— Antidote to Strychnia,
"See Mo. p. 577 Livingston"
— To keep them, Camphor, P acid
— Pxd blister, put hot vinegar
on, squeeze; — demulcent
drinks to prevent strangury,
(To cure, hot bath "covers
whole ground." Dr. Gross.
Dec. 2nd. 1861. Punctured, liable to
erysipelas, Enlarge wound; if lockjaw
threatened assafoetida, tart. Emet.
anodynes, — Needles in females,
— (100th wound,) Great contraction

& numbness & wasting; may be erysipelas, (Judge Thornton of Alabama). — (inferior animal's teeth.), = Poisoned wound; dissection, rabid, insects (wasp, bee, humble bee, hornet, yellow jack), swelling, rose colored, idiosyncrasy, — stimulants, (camphor, hartshorn, ol: terebinth; mustard water, vinegar, brandy, &c.). — constitutional, stimulants NH_3, CO_2, morphine, Barb extracted, (alum, mustard,). Serpent, (moccasin, cotton mouth, rattlesnake. S. Weir Mitchell, (1st insects bag on abdomen, serpents ~~under~~ & behind jaw. animal strikes no bite, Poison, albuminous, coagulable 140 – 162°, yellow, oily, viscid, acrid; poison not destroyed by alcohol, heat, cold — (2 to 5 drops,) iodine, (Dr. Wainwright). Pain intense, swelling mottled, nausea, swooning, cold, — Post mortem, Extravasated blood, softening, blood not coagulable., — Treatment, ligate above part. Excise part freely, cup raw surface, cauterize, — If this all behind time, soothing applications, anodyne, PbO, A by flannel cloth, incisions, [illegible]

Bache's Tables.

Non-met.	Symbol.	Equiv.
Oxygen	O.	8,
Hydrogen	H.	1,
Nitrogen (azok.)	N.	14.
Sulphur,	S.	16.
Selenium,	Se,	40,
Phosphorus,	P.	32,
Chlorine,	Cl.	36.
Iodine,	I	126,
Bromine,	Br.	78,
Fluorine,	F	19,
Carbon,	C	6
Boron,	B	11
Silicon	Si	21

full point

Metallic.

Potassium,	K	39
Sodium,	Na	23
Lithium,	L	6
Calcium,	Ca	20
Magnesium,	Mg.	12.
Barium	Ba.	69.
Strontium,	Sr.	44,
Aluminum,	Al.	14,
Glucinum,	G.	7,

4

Zirconium,	Zr.	34.
Norium,	No.	
Yttrium,	Y.	32.
Erbium,	E,	
Terbium	Tb,	
Thorium,	Th,	60.
Iron,	Fe.	28
Manganese,	Mn.	28
Zinc,	Zn.	32
Cadmium,	Cd.	~~56~~,
Lead,	Pb.	104.
Tin,	Sn.	59.
Copper,	Cu,	32.
Bismuth,	Bi.	213.
Mercury	Hg.	200.
Silver,	Ag.	108.
Gold,	Au.	199.
Platinum,	Pt,	99
Rhodium,	R.	52,
Palladium,	Pd.	53.
Osmium,	Os.	100.
Iridium,	Ir.	99.
Ruthenium,	Ru.	52,
Nickel,	Ni.	30,
Cobalt,	Co.	30.
Uranium,	U	60.
Cerium,	Ce	46.
Lantanium,	La	44.
Didymium,	Di	48.

Aridium.

Donarium	Do.	80.
Antimony,	Sb.	129.
Arsenic,	As.	75.
Chromium,	Cr.	26.
Molybdenum,	Mo.	48.
Tungsten.	W.	92.
Columbium,	Ta.	185.
Niobium,	Nb.	
Pelopium,	Pe.	
Tellurium,	Te,	64.
Titanium,	Ti.	25.
Vanadium,	V.	68.
Ilmenium	Il.	60.
Caesium	Cs.	128.
Rubidium	Rb	85.

P = P_2 = P.

T, = Tart. acid.

M, = Morphia, —

+ Wollaston's scale.

$72.50

For father	$10.00
" Dickson	.25
Chestnuts,	.06
Perkins,	4.50
Evans,	14.20
Gas,	5.78
Car	.05
Ray,	26.50
Dr Sue,	1.06
To Young	10.00
Morning	.10
	72.50

"Bleed for effect
not for ounces."
Gross.

unilocular
multilocular,

rupia
Gross Nov. 22nd,
Ca[illegible]
~~Mitchell~~ Nov. 26th.

continued, ~~144~~ : 14.4 : 16 :: 1 : 1111 (O.) or ~~[illegible]~~
144 : 14 :: 1 : 0.9722. (N.).

Bache ~~Strave~~ Cyto-blasts is the word!

(Gross continued) – alcohol, quinia, NH_3, CO_2. Iodine not much good, – hydrophobia latency, 70 days, max. 6 or 7 mths, saliva, sensibility of skin, convulsions, death in 2-3 days, in cold climates > than southern, – Treatment, only prophylactic, exsect parts always, cup glass, actual cautery, AgO, NO_5, – when it festers, over do all this, – Nothing after that. — glanders (horse, mule, ass.), buttons on skin, – in man, (from one human being to another) 1 week, – Treatment as in typhoid symptoms. — Dissection wounds, none since Zn, Cl, – septic, (cancer of liver, erysipelas &c. most apt to give it), (Gross here 1828 as student, Dr. Temple,

Bache) Iron filings & sulphur will absorb N. in air, – N. s.g. .9722. Ex, .9727 Calc. Rutherford 1772 (Edinburgh), $\boxed{1}_{\boxtimes} = \boxed{9}$ — CO_2 in air 4 pt. in 2000 (steam) pts.

☐ ☐ ☐ air 80, 28 N,

O. H. N. 14.4 + 14.4 + 7.2 = 36

28 + 8, 16, 14 Equal volumes

no Superabundant weight on bones (Scapula &c.

Neck of femur in woman ⊥ in man ∠. (woman).

Ligament of Winslow prevented from being pinched by joining of bones but semi (S. O. Y. E. W.) membranous which ~~contracts~~ flexes also draws ligament away.

Philistine Gross Nov. 29.

Recept Dumpleson Nov. 19.

papules Gross Nov. 21.

phalaenae Gross Nov. 19.

Nov. 28

6 7
½
2 8
3 9
4.
35.

hit. allege.

~~developement~~, hillside Gross Nov. 26th

syphilis

Gross Camel, Nov. 16th, Gross.

Nov. 20th, Upland, Gross Nov. 29.

Enervate.

merge Nov. 20.

Caput.

Reason throw

wonder muscles ahead.

Diction typhoid Nov. 25th

Divine design shown in the human body.

---

1. involuntary deglutition.
its form true line whether elevated or depressed.

balanitis + hyperaemia Gross Nov. 19.

tuberculosus Gross Nov. 15th.

ome~~tt~~

Mitchell Nov 14th.

Melanosis

Gross Nov. 24th.

tubs Gross Nov. 19th.

Keloos.

Subluxation.

stroma (?).

cornea. Involvement,

osmalgone Nov. 14 Gross.

Image Nov. 13th.

Throat. Nov. 13th.

X o X o S

…ssamet…,
syphilis
ureter
[illegible] (Fri. Dung Oct. 18th.),
…oid.
[illegible] (?)
[illegible],
hernia.
embolism
[illegible]
jonagure
[illegible]
Otorrhea,
ascites (?)
mediastinum
urari,
[illegible]
[illegible]
dyspnoea.
Oct. 24th
[illegible]

~~[illegible]~~ (?),
bobinet (?)
~~[illegible]~~
delitescence,
mucor
…algia (?),
genitapo,
draught.
28th,
splenics
diluent,
[illegible]
phlombosis
~~[illegible]~~
Nov. 1
meigs,
Nov. 8
Nov.
[illegible]
stomach
Nov. 2.
endermically
Oct. 28th!
sclerotica,
embrocations

urethra.
arachnoid.
ureter,
traumatic.
Malaxation.
Radicator.
xordgos.
Necrosis.
cito-blastema.
emphysema.
[illegible]
[illegible] (?)
Pyrlaine.
obturator
Lubo.
~~[illegible]~~
gl
globus.

[illegible]

Rapid formation of blue with KI + starch said to show much ozone. (catalase? d. 2-22) 2 [illegible]

2 of 100 med. acid HC_2N.

(?) drops HCN to be detected & then dissipated after death

red s[illegible] SO_3

yellow NO_5

Sp g NO_5 = 113 (?) 1.64

med NO_5 (acid) ~~1.522~~ 1.42

HCl sp. g. 1.16 med. 1.03

Inflammation - Increased actions of capillaries of part. (G)

Dr. Gross. Dec. 3rd. 1861. Dissection wounds latent 12 – 36 hrs, – worst when axilla first then in both directions, Symptoms typhoid, intense thirst, pulse very rapid, Dr. Temple, (old woman, perhaps syphilis), – prophylactic, wash part effectively, suck + wash again, if punctured make it bleed, then cauterize, (acid Nitrate of mercury, HCl, NO_5; Saturated solution of alum, – attention to diet – Treat antiphlogistically, (not blood from arm,) purge, cover parts with $PbO,\underline{A}$, turpentine + olive oil + laudanum, tincture of iodine, free incision if pus, anodynes, stimulants punch (NH_3, CO_2 or quinia), – change of air, alterative treatment, – malignant pustule (from cattle with murrain disease, rapid gangrene, Persian fire, Symptoms typhoid, Treatment as above,

Gunshot wounds,
simple, complicated,
primary & secondary

Dunglison's Col. Townsend, nephritic affections, Chimney worker. Power over his heart. — Air should be rather cool for resuscitation of drowned or entranced persons. Mitchell.

On the use of blisters. Why do the same flies & ointments succeed & fail? The blistering point or stage, How should a blister be dressed? Should blisters be put on the seat of pain always? May we blister young children? Why not? Internal use of flies & various forms of exhibition, various tinctures in use, Poison by flies & treatment; Capsicum, Annuum, Cayenne pepper, adulterations, Cayenne c Ea, No. 6. Capsules, Carbo animalis, et ligni, Carrageen or Irish moss, contrast with Iceland moss.

Jud ct. Counter to tetanus. — oil universal antidote.

Dr. Gross. Dec. 5th. 1861. — when integuments are involved in both openings & wound subcutaneous, then both openings lacerated. — Symptoms — paralysis or not, spasm, not much 1, pain — 2. hemorrhage often slight vessels jump out of way; — If vessel only contused, then often secondary hemorrhage from inflammation; tourniquet around limb to guard against this — 3. Shock, may take down the bravest man, — prognosis, variable, secondary effects trying, may stay in as encysted if sound, — conical ball rarely flattened, — Treatment; if prostrated, lay him down, head lower, air free, smelling bottle near nose, water, constriction free, sinapisms, stimulant injections, not too sudden however ~~if~~ lest bleeding awakened. This for re-action. — Cessation of bleeding, — artery — lint, dress; — tourniquet over main artery, cut down, ligate above & below, — Extract foreign substance, — one opening — but ball may split,

lesions, & effects, abscesses, and phlebitis,
osteo-phlebitis, — balls differ, Minie ball
wt. 500 grns. Sharp's, deflections — En-
trance round, egress jagged & (splintered
~~bones~~ hole in bone, — in soft tissues
round, smooth, edges slightly indented,
discolored surface, entrance — egress.
slit-like, edges everted, with round ball
egress < entrance, conical ball, egress
> entrance, no discoloration, — the ball
may make several openings, ~~through~~ & ~~through~~
— in ~~fa~~ arm may run out & in. bone
may be cut into pieces by bone edge —
tubular wound, contused at first, lacera-
tion, incised at end, tendency to suppurate,
— pain, shock, 1st. not operate generally
= Bache, NO_5, Deville on NO_5.

$KO,$ $2(SO_3,$ — $KO, 2SO_3 + HO.$
NO_5 $HO)$
and — $HO, NO_5,$

Tried Pt. not
oxidized by NO_5.

Wednesday, Dec. 4th, 1861. Clinic,
Dr. Meigs. — young girl, 14,
had Varioloid, then whooping cough,
Has it now, cough broken, — When
suffocation threatens open window
& hold child under, Not sick in
intervals unless with other diseases.
Let child alone, dress it well & feed properly.
Lasts 6 weeks. — Pulse quick, (127
Corpuscles, 80 Albumen, 3 Fibrin,] —
She has bronchial irritation. ℥iiss
℞, Syrup balsam of Tolu ℥ij
" of Squills ʒi
Tinct. Opii Camph ʒiij
Syrup Ipecac ʒii;
S. 4 times a day 2 teaspoonfuls.
(Pertussis in brain not in throat,
motory nerves.) — John S. Sharpless, Epilepsy! 3 years, (Epilepsia
varias, procursiva, recursiva &c.
22 years of age, — very loose cravat;

Dr. Gross. — The patient for
operated on for ~~ple~~ match-poison-

ing (phosphorus). — post mortem, died. pyaemia, ulceration of intestine before operation. — Man who thumb Extirpated Erysipelas has set in, off with strips, put on Emollient poultice. —

— Jno Bayle, 18 years old, Strabismus, both eyes, converging, — laxative to-morrow, diet, Exclude light, warm water, tepid water.

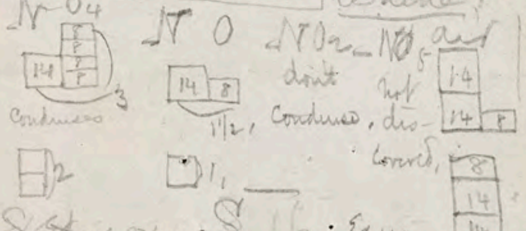
Harriet Cummings, 1 year, Congenital tumor of lip, throbs, noevus maternus, aneurism by anastomosis (John Bell, Edinburgh), veno-arterial tumor; If venous only, excision; here Double ligation, to Strangle parts, — vaccination, iodine, heated needles, — R/

4 Drops of laudanum —

Boy, typhoid once, sloughing, from mercurialization, hole in jaw, plastic operation.

Gross, Dec, 6th 1861. (continued), Entrance slowest to heal. (granulations). 4 – 6 days. — Constitutional, no shock, little blood, diet restricted nothing else, gentle laxative. – if severe inflammation, active purge, tinct: aconite, veratrum viride, ant. & sal. mixture, — blood & shock, milk, cream, whisky, – solid food, quinia, tinct: ferri: chlorid. – pain, anodynes, separate patients, gangrene, = Amputations & Resections – if limb hanging by integuments, severing of femoral artery & vein, popliteal &c. mortification not so likely in superior as in inferior extremity. (1 oz. 20 grs. Am, musket ball.), If patella shot away, amputate, or ligaments, if bone cut through at ancle, resect at shoulder joint, Exsect at elbow, — comminuted fracture of thigh bone, Effort in civil not in military life to save limb, (Black Sea fleet), usually. — Resection restricted to shoulder & Elbow joint. (amputate at wrist & ancle.) — amputate above wound some distance in shell & round shot, lower in musket &c.

Bache,



no case of Expansion NO3 not discovered volume.

~~S [illegible]~~ S, 16, Equivalent volume 1/2 (vapor.), ~~[illegible]~~ vapor burns at 300°. 7 S 2 6

Sulphur earth, Coarse brimstone, —

Iron pyrites heated = $Fe_2S_2 + O_4$,

Fe, S_2, O_4 — S — FeO, SO_3, — bleach silk wool & straw (SO_2),

2S ~~Ca~~ ~~2S, c~~ Ca 2 S and HCl

$CaO, HCl + 2S$, — SO_3 gypsum CaO, SO_3.

— lift 5 lbs. at shoulder = 1200 vertically. 250 bursæ mucosæ in man, Meigs! John Evangelista Purkinje discovered 1825. "splendidissimam, formosissimam vesiculam", by putting pullets! Egg in bowl of water & cleaning it apart. — Crisis on child's life. Cover inside of womb with 3/4 in, tissue water. 1500 — sacculi vesicle 3 diam, below sight, 1832 macula Wagner.

Jeff. Med: Clinic, Dr. Meigs
Dec. 7th. 1861. — Miss Bailey [?]

Shock, Meigs says that "the doorkeeper of the American Congress lay down & died when news of Lord Cornwallis' surrender reached him". Dog of Ulysses, — In May last kick from horse. Rp
Iron by hydrogen, Cod Liver Oil.

John Crook, 28, 2 years pain in right chest & burning on left. Can count 32. different motions, ~~[illegible]~~ clear sound of voice all through bronchi & trachea. neuralgia pectoralis. Malaxation best. (cream,). Wool in the grease put on. Rp

Quin: Sulph: ʒ ss,
Aquæ ℥ iv,
Acid: Sulph: Dil: gtts XX
Tinct: Opii gtts XX
S, teaspoonful 3 times a Day.

Dr. Gross, Jno. Henry, age 21, Sore throat, Syphilis, had soft chancre & bubo (3 mths.), enlarged lymphatic ganglions. 2ndry, mucous tubercles, (hard), mild form. Apply Argt: Nitr: — Ant. & Sal. mixture, chlorides of zinc, KO, NaO, CaO, nitrate of lead Disinfectants, no evidence that they destroy cause except $ZnCl$ which acts only as solid not as vapor. – ventilation plenty. & cleanliness, "high gravel blindness" not sand blindness", – Spasmodic, [illegible], baths, diphtheria constitutional, tonics not local treatment. air in pleura to kill animals to stop breathing.

Dr. Gross, Nov. 6th 1861. – Counter-opening (when near surface), steady parts when searching for ball. – In bone may have to trephine & lever, – If ball uneven & rough, put fragments in natural relation, – limit resulting inflammation, – union may be by first intention. 1. rest perfect, Easy, Elevated, relaxed) position, water dressings, (PbO, A & opium. – If sloughing, warm water & poultice emollient. not lint, compress & bandage, – when muscles hurt, roller up from Extremity to groin (gently & leave vent for wound. – Erysipelas [illegible] burning smarting, vessels [illegible] puncture, & dilate wounds;

[illegible], Dec. 5th, (continued), finger best
probe if sufficient, brass cylinder with
bulb. Bell's silver one. catheter will do. Place
patch in position when wound received, — Re-
move it, forceps, long, slender, light, strong, Ti-
mann's, Gemrig's, — present ball, no wadding
pieces may go in, loose splinters, — in bone
try to get it away if possible, — may let ball
remain, (Edwards, Illinois). round lodges
more frequently than conical. Bache

Air = N_2O (mixture). NO got by
heating NH_3, NO_5 to heat of 500°.
NH_3 — $3HO$. Priestley 1772, s.g. 1.52
NO_5 — $2NO$. supporter of combustion
N+O condensed into one volume 2/3rds of one
NO_2, pour NO_5 on copper, s.g. 1.04,
Cu, and — NO_2, no condensation. NO_2 found
NO_5 — $3CuO$, to be such by exploding
H & then having N, left; NO_2 to be
such by oxidizing a metal & finding
N,. Dr. Hales, — Priestley 1772, red
fumes NO_2 into NO_4 (nitrous acid) hypo
nitrous acid called NO_3, red fumes
absorbable, 2 NO + O, — condenses into 2 vol,
comes from three | — NO_3 at 0° green

) liquid, above that red vapor,
Strong nitrous acid is NO_5 with some
quantity of NO_2.

KO, NO_5 to get O = O_2 + $KO\ NO_3$, — assafoetida, nervous action — Mitchell
oxalate of cerium, nitrate, 2 gr, for pregnant females, — Worm seed
— China Bogotensis — substitute for quinia, no quininism, anti-periodic
— Chlorine (oxy-muriatic gas formerly)
— Salt + SO_3 + HO + black oxide of manganese, — stimulant expectorant,
— disinfecting. — chronic bronchitis. —
Enema, scarlatina, chlorinated water,
— brings out eruption in small pox,
— cure of hydrocele. — Chloroform,
as bandaged on will blister, Guthrie,
alcohol + $CaOCl$ distilled, narcotic
poison first, — camphor will put patients
to sleep, — for cholera, ~~[illegible]~~
then chloroform in collapse — sea sickness. Cured it, 12 drop dose, — passage of gall stones, — dysmenorrhoea
Rx
Camphor Spts ℥iij,
Chlorof, ℥ij,
Laudanum ℥i, — puerperal convulsions, delir. tremens
— diphtheria — turpentine, chlorof, cod liver oil.

antidote for strychnia, Philada. Med. Review 1858. – London Lancet, glass of wine first then no harm. – Actaea Racemosa, Black snake root, – chorea. decoction wineglassful 3–4 times a day. ℥ij to Oi water

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Division, Pathological applications of respirations

1. Affections of mucous membrane,	Laryngo-tracheitis (Spasmodic and diphtheritic), bronchitis (general and capillary);
2. of cells plus areolar tissue	Pneumonia, Gangrene, Oedema, Emphysema, haemoptysis, Cancer, Tubercles,
3. Of nerves of ~~Respiration~~ (nervous), ~~Affections of~~ Respiration	Spasm of glottis, Asthma, pertussis, hiccough (phrenic),
4. Of the pleura	pleuritis, hydrothorax, pyothorax; pneumothorax
5. From conversion of venous into arterial blood, Apnoea,	~~Annual~~ mortality of country districts 1.821 p. ct, Town districts 2.621

Zymotic (ferment) going in as small pox – Scab & spreading from lungs no doubt. animal matter given off. anti-bromic, – factories not many unfavorable. Slaughter-houses not deleterious in Cholera, morgues. Every odor does not spread disease. – Dry cleaning best & running water.

Gross clinic Dec. 7th, (veratrum viride) — Child who has bloody tumor on head from fall. no symptoms, — remarkable, projection of edges, fracture of ~~fall~~ skull. — NH_4, HCl + vinegar to part. — William Van Steve, aged 18, tumor on breast, reddish, from Carbuncle, pains stinging, fibrous fibro-plastic, Removed by elliptical incision, wire suture. First intention if possible, crab like tumor — Child, 1 year, incurvated little finger from burn. incised & extended on splint. — ~~cl~~ club foot shoe & child with " " put on it for 6 days. — Henry Carpenter, aged 13, Exostosis, dilute tinct. iod, wash foot clean, loose shoe Each man should have his own last. Mitchell, Cinchona Officinalis, — natural history, true & false

barks, Three chief varieties, lancifolia
Cordifolia, oblongifolia, The 1st. gives
pale or quilled bark, The 2nd, gives
the yellow, The 3rd, the red bark,
The yellow only worked for quinine,
uses of the bark, as such, why it
was laid aside, various Extracts in
use, The best is Chinoidine, various
tinctures, the best is Huxham's, Bark
beer, poultice, jacket, Injections of
bark, discovery of the alkaloids
cinchonine, + its Sulphate, how
to procure quinine, true Chemistry of the sulphate, Di- + Bi-
salt, perfect solution of 32, how
made, Tonic + anti-periodic, doses,
Earliest use here, Modes of exhibition
Endermic plan, quininism, what
+ how met. —] Chinoidine ℥ij.

℞ ~~Huxham's~~
yellow bark ℥j Can't take
Orange Peel ℥ss at noon.
Virg: Snakeroot